



TEST INSTRUMENTS, TOOLS & GENSETS

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Empower your operations with our comprehensive range of Test Instruments, Tools & Gensets. Our high-precision instruments and durable tools are essential for accurate diagnostics and maintenance across various industries. Coupled with our reliable generators, they ensure uninterrupted power and operational efficiency, making them indispensable for any professional toolkit.

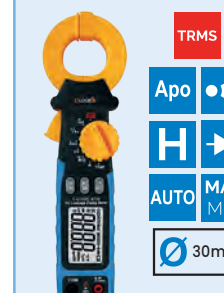
NEW

DIGITAL MULTIMETERS

	Basic Multimeters			Industrial Range	
					
Code	C-LOGIC-55	C-LOGIC-520	C-LOGIC-5100	C-LOGIC-5200	C-LOGIC-5600
Features	• Pocket Size • Integrated Test Leads • Low Battery Display	• Rubber Housing • Hinged Bracket • Low Battery Display	• Rubber Housing • Hinged Bracket • Low Battery Display	• Rubber Housing • Hinged Bracket • Low Battery Display • Professional Reference Industrial Multimeter • Duty Cycle	• Rubber Housing • Hinged Bracket • Cat. IV 600V
Ranges:					
Display counts	2000	2000	2000	6600	6600
AC Voltage	300V	600V	600V	1000V	1000V
DC Voltage	300V	600V	600V	1000V	1000V
AC Current	200mA	-	10A	10A	10A
DC Current	-	10A	10A	10A	10A
Resistance	2MΩ	2MΩ	200MΩ	66MΩ	66MΩ
Capacitance	-	-	100μF	66mF	66mF
Frequency	-	-	20kHz	10kHz/66MHz	10kHz/66MHz
Continuity	Yes	Yes	Yes	Yes	Yes
Diode test	Yes	Yes	Transistor	Transistor	Transistor
Temperature	-	-	-20°C-1000°C	0°C-1000°C	0°C-1000°C
Safety Rating	CAT III 300V	CAT III 600V	CAT III 600V	CAT III 1000V/ CAT IV 600V	CAT III 1000V/ CAT IV 600V
	Environmental Multimeter	Smart Phone Connectivity	Smart Auto Ranging	Pen Type	
					
Code	C-LOGIC-5300	C-LOGIC-5900	C-LOGIC-580	C-LOGIC-3200	
Features	• Rubber Housing • Hinged Bracket • Duty Cycle, Humidity, Luminosity & Sound Level • Professional Reference	• Rubber Housing • Hinged Bracket • Smart Phone Connectivity • Low Battery Display • Duty Cycle	• Smart Auto recognition of Measurement parameters • Auto Ranging • Dual Display	• Rubber Housing • Pen Type • Zero Adjustment • Logic Level Test • Low Battery Display	
Ranges:					
Display counts	4000	4000	4000	2000	
AC Voltage	600V	600V	600V	600V	
DC Voltage	600V	600V	600V	600V	
AC Current	10A	10A	-	200mA	
DC Current	10A	10A	-	200mA	
Resistance	40MΩ	40MΩ	10MΩ	20MΩ	
Capacitance	100μF	99.99μF	3kHz	-	
Frequency	200kHz	10kHz	Yes	-	
Continuity	Yes	Yes	Yes	Yes	
Diode test	Transistor	Yes	-	Yes	
Temperature	-20°C-1000°C	-	-	-	
Safety Rating	CAT III 600V	CAT III 600V	CAT III 600V	CAT III 600V	

NEW

DIGITAL CLAMP METERS

	Large Jaw	Compact	Compact Professional	True RMS	Leakage Clamp Meter
					
Code	C-LOGIC-80	C-LOGIC-85	C-LOGIC-810	C-LOGIC-8500	C-LOGIC-8730
Features	- Jaw Size: 50mm - Insulation test - Low Battery Display	- Jaw Size: 26mm - Compact size	- Jaw Size: 26mm - Rubberized for grip - Low Battery Display - Duty Cycle - Display backlight	- Jaw Size: 40mm - Rubberized for grip - Low Battery Display - Duty Cycle - Auto ranging - Max/ Min - Display backlight	- Jaw Size: 30mm - Rubberized for grip - Low pass filter function - Zero Adjustment - Low Battery Display
Ranges:					
Display counts	2000	2000	6000	6000	4000
AC Voltage	750V	600V	600V	750V	600V
DC Voltage	1000V	600V	600V	1000V	600V
AC Current	1000A	400A	600A	1000A	150A
DC Current	-	-	-	1000A	-
Resistance	20MΩ	2kΩ	60MΩ	60MΩ	40MΩ
Capacitance	-	-	60mF	100mF	40mF
Frequency	-	-	1kHz/10kHz	1kHz/10kHz	-
Continuity	Yes	Yes	Yes	Yes	Yes
Diode test	No	Yes	Yes	Yes	Yes
Temperature	-	-	-20°C - +1000°C	-	-20°C - +1000°C
Safety Rating	CAT II 1000V / CAT III 600V	CAT III 600V	CAT III 1000V / CAT IV 600V	CAT III 1000V / CAT IV 600V	CAT III 600V

NEW

VOLTAGE TESTERS

	Voltage Tester	Non Contact Voltage Testers		Phase Sequence Indicator
				
Code	C-LOGIC-350	C-LOGIC-35	C-LOGIC-25	C-LOGIC-98
Features	• Rubberized for grip • Maximum test time: 30S (10min recovery) • Accuracy: -30-0% of indication	• Rubberized for grip • Voltage sensitivity adjustment • Low battery indication	Basic pen type Voltage tester	• Motor and Phase Rotation tester • Built-in test leads
Ranges:				
Test Voltage	12-400VAC	20-1000VAC	90-1000VAC	120-400VAC
Frequency	50/60Hz	50-500Hz	50/60Hz	2-400Hz
Indication	LED Bargraph	LED and Acoustic	LED and Acoustic	LED indication
Safety Rating	CAT III 400V	CAT II 1000V / CAT III 600V	CAT II 1000V	CAT III 600V

NEW

ENVIRONMENTAL TESTERS

	Lightmeter	IR Thermometer	Anemometer	Digital Sound Level	Laser Tachometer
	 H REL Apo MAX MIN Lux CD FC OK Led	 H MAX MIN E=0.95	 Apo MAX MIN H	 H MAX Apo LOG A/C WEIGHTING	 Apo MAX MIN H LOG
Code	C-LOGIC-250	C-LOGIC-230	C-LOGIC-280	C-LOGIC-290	C-LOGIC-95
Features	• Rubberized housing for grip • Auto Ranging • Peak Measurement • Zero Calibration • Analogue bar graph • Low battery display	• Rubberized housing for grip • Convenient portable size • Low Battery display • °C / °F	• Rubberized housing for grip • Air speed • Temperature and Humidity • Air volume calculations • Display Backlight • Low battery display	• Rubberized housing for grip • Auto ranging • Analogue bargraph • Fast/Slow selection • Display Backlight • Low battery display	• Rubberized housing for grip • Non-contact measurement • Low battery display
Ranges:	Lux: 0-200000Lux FC: 0-20000FC CD: 999900	Temperature: -20°C - +300°C Relative Humidity: 10%-90% Laser: <1mW / 630-670nm	Temperature: 10°C-60°C Relative Humidity: 20-90% Air speed: Meter/Sec: 0.8-40W km/h: 2.88 - 144km/h Other Units: ft/s, knots, mile/h, ft/m, Nautical miles	Range: 30dB - 130dB Dynamic Range: 50dB Freq range: 30Hz - 8KHz	Range: 50 - 99999RPM Measure Distance: 50-250mm

MEASURING INSTRUMENTS SYMBOL GUIDE

Symbol	Description	Symbol	Description	Symbol	Description
	Continuity Test		Transistor		Lux Measurement
	Diode Test		Back Light Display		Candela Measurement
	Auto Power Off		Data Hold		Foot-Candela Measurement
	Auto Range		Work Light		Valid for LED Light Measuring
	Max & Min Values		Max Value		Laser
	Non-Contact Voltage		Inrush Current		Over & Under Range Alert
	Low Impedance		Data Log		AC Weighting
	True Root Mean Square		Light Indicator		Relative Measurement
	Smartphone Connectivity		Metal Detection		Low Battery Display
	Acoustic Indicator		Flexible Current Probe		

NEW

DIGITAL CLAMP METERS

	Mini Digital	Digital Open Clamp	Mini AC/DC Current	1000AAC Clamp	1000AAC/DC Clamp
	 •)) → Apo AUTO MAX MIN NCV TRMS  H  REL  SMART  26mm <td> •)) → Apo AUTO MAX MIN NCV Lo-Z TRMS  H  REL  12mm <td> •)) → Apo AUTO NCV TRMS  H INRUSH  REL  24mm <td> •)) → Apo AUTO MAX MIN NCV TRMS  H  REL  40mm <td> •)) → Apo AUTO MAX MIN NCV TRMS  H  REL  40mm </td></td></td></td>	 •)) → Apo AUTO MAX MIN NCV Lo-Z TRMS  H  REL  12mm <td> •)) → Apo AUTO NCV TRMS  H INRUSH  REL  24mm <td> •)) → Apo AUTO MAX MIN NCV TRMS  H  REL  40mm <td> •)) → Apo AUTO MAX MIN NCV TRMS  H  REL  40mm </td></td></td>	 •)) → Apo AUTO NCV TRMS  H INRUSH  REL  24mm <td> •)) → Apo AUTO MAX MIN NCV TRMS  H  REL  40mm <td> •)) → Apo AUTO MAX MIN NCV TRMS  H  REL  40mm </td></td>	 •)) → Apo AUTO MAX MIN NCV TRMS  H  REL  40mm <td> •)) → Apo AUTO MAX MIN NCV TRMS  H  REL  40mm </td>	 •)) → Apo AUTO MAX MIN NCV TRMS  H  REL  40mm
Code	KPS-PA900MINI	KPS-PA440	KPS-DCM200MINI	KPS-DCM3000	KPS-DCM4000T
Features	•Mini digital clamp meter •Dual reading •Zero function •Smart automatic detection of measurement parameter	•Maximum voltage between circuit & ground ≤1000V AC/DC •Duty cycle •Temperature	•Pocket size simple & reliable current measurements •10mA Resolution •Low pass filter •Zero function •Sampling rate: 2 times/sec	•Calibration certification included	•Calibration certification included
Ranges:					
Display counts	6000	6000	6000	6000	6000
AC Voltage	600V	600V	-	750V	750V
DC Voltage	600V	600V	-	1000V	1000V
AC Current	600A	200A	300A	1000A	1000A
DC Current	-	1000μA	300A	-	1000A
Resistance	10MΩ	60MΩ	-	20MΩ	20MΩ
Capacitance	-	60mF	-	-	6mF
Frequency	3KHz	60MHz	-	-	60kHz
Temperature	-	400°C	-	-	-50-760°C
Safety Rating	CAT III 600V	CAT III 600V	CAT III 600V	CAT III 1000V CAT IV 600V	CAT III 1000V CAT IV 600V
	2000V PV Clamp	Three Phase Power Clamp	Logging/ Bluetooth Clamp	Leakage Clamp	
	 •)) → Apo AUTO MAX MIN NCV TRMS  H  INRUSH  LOG REL  37mm <td> •)) → Apo AUTO MAX MIN TRMS  H INRUSH  LOG REL  33mm <td> •)) → Apo AUTO MAX MIN NCV Lo-Z TRMS  H  INRUSH  LOG REL  40mm <td> •)) → Apo AUTO MAX MIN TRMS  H  REL  40mm </td></td></td>	 •)) → Apo AUTO MAX MIN TRMS  H INRUSH  LOG REL  33mm <td> •)) → Apo AUTO MAX MIN NCV Lo-Z TRMS  H  INRUSH  LOG REL  40mm <td> •)) → Apo AUTO MAX MIN TRMS  H  REL  40mm </td></td>	 •)) → Apo AUTO MAX MIN NCV Lo-Z TRMS  H  INRUSH  LOG REL  40mm <td> •)) → Apo AUTO MAX MIN TRMS  H  REL  40mm </td>	 •)) → Apo AUTO MAX MIN TRMS  H  REL  40mm	
Code	KPS-DCM8500PV	KPS-DCM5000PW	KPS-DCM8000BT	KPS-DCM300LEAK	
Features	•Low-pass filter (HFR mode) •Low current measurements (4000μAmps) •Bluetooth connectivity	•Auto store •Phase rotation •Low pass filter •Bluetooth connectivity •Harmonics, power, power factor measurements	•Data Logging/Manual Save up to 4,000 records •Bluetooth connectivity •Low pass filter (HFR Mode)	•Reliable measurements on circuits with harmonics or electric noise •Leakage current measurement •Switchable low-pass filter function	
Ranges:					
Display counts	6000	10000	6000	6000	
AC Voltage	1500V	1000V	1000V	-	
DC Voltage	2000V	1000V	1000V	-	
AC Current	600A	600A	600A	60A	
DC Current	600A	-	600A	-	
Resistance	600kΩ	100kΩ	600kΩ	-	
Capacitance	1000μF	4mF	1000μF	-	
Frequency	10kHz	10kHz	10kHz	-	
Temperature	400°C	-	-	-	
Safety Rating	CAT III 1000V CAT IV 600V	CAT III 1000V CAT IV 600V	CAT III 1000V CAT IV 600V	CAT III 600V	

NEW

DIGITAL MULTIMETERS

	2 in 1 Clamp/ Multimeter	HVAC DMM c/w Bluetooth	PV DMM c/w Bluetooth	High Precision Logging DMM	With Lan Tester
	 16mm				
Code	KPS-TP5000HY	KPS-DMM3500BT	KPS-DMM4500PV	KPS-DMM9000BT	KPS-MT480
Features	•Digital display •Bright LED bargraph •Phase rotation indication •Auto polarity detection •Measure voltage without battery with LED bar & LCD display	•Special functionalities for HVAC installations •Low-pass filter (HFR mode) •Low impedance mode •Logging up to 4000 records •Bluetooth connectivity-Smartphone App	•Suitable for industrial or solar applications •Low-pass filter (HFR mode) •Logging up to 4000 records •Bluetooth connectivity-smartphone app	•Dual display •AC/DC & AC+DC auto detection •Auto store up to 1000 registers •Data logging up to 40000 records •Auto fuse detector •High frequency rejection •Bluetooth connectivity & optical USB interface	•Digital multimeter with Lan and phone cable tester •Network cable wiring check •Phone line test •Tone for cable tracing
Ranges:					
Display counts	9999	6000	6000	40000	2000
AC Voltage	999,9V	1000V	1500V	1000V	600V
DC Voltage	999,9V	1000V	2000V	1000V	600V
AC Current	200A(Clamp)	10A	10A	10A	10A
DC Current	-	10A	10A	10A	10A
Resistance	50kΩ	40MΩ	40MΩ	40MΩ	20MΩ
Capacitance	-	10mF	10mF	40mF	-
Frequency	45-65Hz	100kHz	100kHz	100kHz	-
Temperature	-	400°C	400°C	1200°C	-
Safety Rating	CAT III 1000V CAT IV 600V	CAT III 1000V CAT IV 600V	CAT III 1000V CAT IV 600V	CAT III 1000V CAT IV 600V	CAT III 600V

NEW

FLEXIBLE CURRENT PROBES/METERS

	Stand Alone Meter		For Use with Multimeter	
	 100mm	 150mm	 100mm	 150mm
Code	KPS-DCM4010FLEX	KPS-DCM4018FLEX	KPS-DCM3010FLEX	KPS-DCM3018FLEX
Features	•Large scale LCD display	•LCD dual digital display •Fully automatic measuring of AC current, AC/DC voltage, resistance & frequency •Bluetooth connectivity-smartphone app	•Slide switch to change range, voltage output to universal voltage meters •7.5mm coil diameter for tightspace measurement •2 meter extension cable •Ergonomically designed for one-hand operation	•Slide switch to change range voltage output to universal voltage meters •7.5mm coil diameter for tight space measurement •2 meter extension cable •Ergonomically designed for one-hand operation
Ranges:				
Display counts	3000	10000	-	-
AC Voltage	-	1000V	-	-
DC Voltage	-	1000V	-	-
AC Current	3000A	3000A	3000A	3000A
Resistance	-	10kΩ	-	-
Frequency	-	10kHz	-	-
Safety Rating	CAT III 1000V CAT IV 600V	CAT III 1000V CAT IV 600V	CAT III 1000V CAT IV 600V	CAT III 1000V CAT IV 600V

NEW

INSULATION TESTERS

	Earth Resistance Testers		Insulation Testers	
	 Apo H AUTO LOG	  Apo AUTO MAX MIN  H LOG REL	  Apo AUTO MAX MIN  H LOG REL	 Apo AUTO  H LOG
Code	KPS-TLP100	KPS-TL300	KPS-MA100	KPS-MA500
Features	• Data Hold • Buzzer On Symbol • Data Logging - 99 Groups • Alarm Limit Setting • Jaw Size: 45 x 32mm • Cat III 150V	• Bar Graph Display • Max / Min / AVG • Data Logging - 99 Groups • 2 or 3 Pole Testing • Cat III 300V	• Lock / Data Hold • Min/Max/AVG • Compare Function • Timer Function • Storage Function • DAR/PI • Cat III 1000V • Cat IV 600V	• Compare Function • Broad Range of Testing Voltages • Auto DAR/PI calculation • Step Voltage Measurements & Temperature Compensation • Large Storage Memory • PC Communication • Robust & Durable • Cat III 1000V • Cat IV 600V
Ranges	Earth Resistance: 0-1200Ω Current: 100mA-20A	Earth Resistance: 0 - 4.0kΩ Voltage to Earth: 0 - 200VAC	Insulation Function: 250V - 0-250MΩ 500V - 0-500MΩ 1000V - 0-10GΩ 2500V - 10-300GΩ AC Voltage: 750V DC Voltage: 1000V Resistance: 200Ω	Insulation Function: 250V - 0-250GΩ 500V - 0-500GΩ 1000V - 0-999GΩ 2500V - 0-2.5TΩ 5000V - 0-5TΩ AC Voltage: 750V DC Voltage: 1000V Resistance: 5TΩ Temperature: -10 - 70°C Leakage Current: 3mA

NEW

POWER QUALITY ANALYZER

POWERCOMPACT3020

			Accessories Included - Voltage test leads 4pcs - Crocodile 4pcs - Rowglosky AC current clamps 3pcs - Battery pack (4x AA NiMh 2100mAh) 1pc + external power supply + adapters 1set - Carry case
Code	KPS-PC3020	Other Accessories (Not Included)	
Display	68x68mm LCD -Backlit	Code	Description
Traditional Electrical Analysis	V, I, P, Q, S, F, PF, THD(V)%, THD(I)%, Cosφ, Peaks, Minimums, Maximums, Averages, Maximum Demands, Neutral current etc.	KPS-PC-CL1000A	Current clamp: 0-1000A Jaw size: φ52mm
Energy Measurement	kWh, kVarh, kVAh, Absorbed & Generated (1PH & 3 PH), Up to 4 tariffs with cost	KPS-PC-CL5A	Current clamp: 0.1-5A Jaw size: φ20mm
Waveforms	V & I	KPS-PC-CL200A	Current clamp: 0.5-200A Jaw size: : φ20mm
Harmonics	Values & Histograms up to the 50th order	KPS-PC-MAGTL	Magnetic probes set of 4
Other Functions	Dips, Swells, Interruptions, Voltage & Current Transients, Inrush current, DC Measures, Unbalance, K factor up to the 25th order	KPS-PC-UF3000	Rowglosky flexible current clamp:6-3000A φ150mm I Jaw size : φ20mm
Alarms	Displayed (last 5 alarms logged)		
Voltage measurement	3 Channels with common NEUTRAL (7-1000VAC[L-L]) + 1 independent aux channel (5-1000VAC/ 10-1400VDC)		
Current Measurement	5 Independent channels (6-3000A)		

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PEN TYPE TESTERS

	Multimeters			Non Contact Voltage Testers		Voltage tester
						
Code	MS8211	MS8211D	Code	MS8900	MS8907	MS8922A
Features	• Non contact voltage detector • Retractable tip • Auto Ranging • Auto Power off • MAX/Data hold	• Logic level test • Retractable tip • Auto Ranging • Auto Power off • MAX/Data hold • Cat II 600V	Description	• Auto power off • Pocket clip • Cat II 600V	• Work light (torch) • Red and Green LED • Pocket clip • Cat II 1000V • Cat III 600V	• Max test time: 30s (10 min recovery) • CAT III 400V
Ranges:			Ranges:			
AC Voltage	200mV-600V	200mV-600V	Test voltage AC	100-240V	50-1000V	12V-400V
DC Voltage	200mV-600V	200mV-600V	Test voltage DC	-	-	12V-400V
AC Current	-	20mA-200mA	Indication	Sound and light	Sound and light	LED bargraph
DC Current	-	20mA-200mA	Frequency	50-60Hz	50Hz/60Hz	50Hz/60Hz
Resistance	200Ω-20MΩ	200Ω-20MΩ				
Diode test	Yes	Yes				
Continuity	Yes	Yes				

SPECIALISED METERS

	Automotive Multimeter & Engine Analyser	SMD Tester	mA/V Process Calibrator	Process Thermocouple Calibrator	Capacitance Meter
					
Code	MS8239D	MS8910	MS7221	MS7220	MS6013
Features	• Backlit LCD display • Dwell Test (Angle) 4 / 6 / 8 cylinder • Tach Test (Speed) 4 / 6 / 8 cylinder • Auto ranging • Max / Data hold • Auto Power Off • Cat III 600V	• LCD display • Auto Ranging • Auto Power Off • Data Hold • Auto Scanning	• Accurately measure loop currents • Measure voltage from process and PLC's • Source or Simulate 22mA loop currents • Simultaneous 24V loop supply and current measurement	• Measure and simulate thermocouples J,K,T,E,R,S,B,N • °C / °F • Temperature scale: ITS-90, NIST 175 • Thermocouple Type J: -200 - 1200°C • K: -200 - 1370°C • T: -200 - 400°C • E: -200 - 950°C • R: -20 - 1750°C • S: -20 - 1750°C • B: 600 - 1800°C • N: -250 - 1300°C • Millivolt In/out: -10-75mV • Max Input Volts: 30V	• Zero Adjustment • High Accuracy • Low battery display • 9 Ranges
Ranges	200mV - 600V Volts DC: 200mV - 600V AC Current: 10A DC Current: 10A Resistance: 200Ω - 20MΩ Diode Test Continuity Test	Resistance: 300Ω - 30MΩ Capacitance: 3nF-30mF	DC Voltage in/out: 0-100mV, 0.1-10V DC Current in/out: 0-24mA Loop Power: 24V		Capacitance: 200pF - 20mF

DIGITAL TESTERS

	Digital Thermometer	Combustable Gas Detector	Digital Sound Level	Lightmeters		Anemometer/ Temperature/ Humidity
						
Code	MS6511	MS6310	MS6700	MS6610	MS6612T	MS6252B
Features	- Thermocouple Types: K, J, T, E - Max / Min / AVG / Data hold - Auto power off °C / °F / K	- Easily find gas leaks - High sensitivity - Warm-up time: 2mins - Response time: 2sec - Alarm Range: 10-40%	- Backlit LCD display - Max hold - Over range indication - Fast/Slow selection - Auto/Manual ranging - Auto power off - Bargraph indication - A/C Weighting - Date/Time display	- High Accuracy - Data Hold on the separate sensor allow easy measurement from the optimal position - Silicon Photo Diode with Filter - Lead Length: 150cm	- Auto Ranging - Auto Power Off - Max / Min / Peak / Data Hold - Relative Measurement - Zero Calibration - Analogue Bar Indication - Light Source Default Value Setting	- Backlit LCD display - Flow Area setting for volume calculation - Max/Min/Data Hold - Auto Power Off - Ambient/Dew Point/Wet Bulb Temperature °C / °F • Humidity - USB Interface (Windows)
Ranges	Temperature Range: K: -200°C - 1372°C J: -210°C - 1200°C T: -250°C - 400°C E: -150°C - 1000°C Resolution: 0.1°C/°F/K(<1000°) 1°C/°F/K(>1000°)	Gases Detected: • Natural gas • Methane • Ethane • Propane • Butane • Acetone • Alcohol • Ammonia • Steam • Gasoline • Jet Fuel • Naphta • Hydrogen Solvents • Carbon Monoxide • Lacquer Thinners	Range: 30dB - 130dB Dynamic Range: 50dB Resolution: 0.1dB Freq: 30Hz - 8KHz Sample Rate: 2/sec	Measurement Range: 0-1999Lux 2000-19990Lux 20000-50000Lux Accuracy: ±5%	Lux: 0 - 200 000Lux Fc: 0 - 20 000Fc Candela: 0 - 999 900Cd	Meter/Sec: 0.8-40m/s km/h: 2.88 - 144km/h Other Units: ft/s, knots, mile/h, ft/m Temperature: -10 - 60°C Relative humidity: 20 - 80%

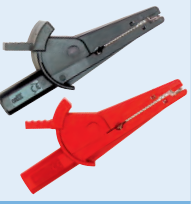
Laser Tachometer	Contact Tachometer	Laser Distance Meters		Wire Tracer
				
MS6208B	MS6208A	MS6404	MS6408	MS6812
- Backlit LCD display - Non Contact measurement - Auto power off - Max/Min Data hold - Data logging	- Backlit LCD display - Contact measurement - Auto power off - Max/Min Data hold - Data Logging	- Back-lit LCD Display - Pythagoras, Area, Volume Calculation - Continuous Measurement - Add/Subtract - Min/Max - Laser Pointer - Auto Power Off - Data Logging - Foot Level Measurement	- Back-lit LCD Display - Pythagoras, Area, Volume Calculation - Continuous Measurement - Add/Subtract - Min/Max - Laser Pointer - Auto Power Off - Data Logging - Foot Level Measurement	- Designed to identify & trace wires or cables within a group without damaging the insulation - Continuity test - Volume control for increased sensitivity - Recessed ON/OFF button to prevent battery drain
Range: 50-99999RPM Measure Distance: 50-250mm	Range: 50 - 19999RPM	Distance: 0.05-40m Units: m/mm/in/Ft	Distance: 0.05-80m Units: m/mm/in/Ft	Emitter tone frequency: 1.5kHz (Single) 1.3-1.5kHz (Dual) Receiver frequency range: 100-300kHz

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INSTALLATION TEST EQUIPMENT

	Circuit Analyser	Digital Insulation Multimeter	Digital Insulation Testers	Earth Resistance Testers	
					
Code	MS5908C	MS5208	MS5215 (5000V)	MS2301	MS2307
Features	• Loop Impedance/PSC • Voltage Test: L-N-N-E/Peak • RCD / GFCI test • Frequency • 5A/8A/10A load for Volt drop test • Wiring test function • Cat III 300V	• DAR / PI Insulation mode • Backlit LCD display • Data logging • Auto / Manual ranging • Low Pass Filter • Max/Min/AVG/Data hold • Auto power off • Relative Measurement • Cat III 1000V	• Large Backlit LCD Display • Broad Range of Testing Voltages • Auto DAR/PI calculation • Step Voltage Measurements & Temperature Compensation • Large Storage Memory • PC Communication • Robust & Durable • Cat II 1000V • Cat II 600V	• Auto Power Off • Auto Ranging • Data Hold • Buzzer On Symbol • Data Logging 99 Groups • Alarm Limit Setting • Jaw Size: 45 x 32mm • Cat III 150V	• Auto Power Off • Dual Display dig/analog • Clock date/time • Average Value Measurement • Compensation Resistance • Alarm of Limit Value Groups • Alarm Limit Setting • Backlit LCD Display • Data Storage 100 Groups • USB 2.0 Interface
Ranges	Line Volts: 85 - 265V Neutral/Ground: 0 - 10V Peak: 120 - 375V Freq: 45 - 65Hz Volt Drop: 0.1 - 99.9% Impedance (L/N/E): 0-3Ω RCD trip time: 1ms - 6.5s RCD trip Amp: 30mA GFCI trip time: 1ms - 6.5s GFCI trip Amp: 6mA	Insulation Function: 50V - 0-50MΩ 100V - 0-100MΩ 250V - 0-250MΩ 500V - 0-500MΩ 1000V - 0-2GΩ AC Voltage: 600mV - 750V DC Voltage: 600mV - 1000V Diode Test: Yes AC Current: 66mA - 400mA DC Current: 66mA - 400mA Resistance: 660Ω - 66MΩ Capacitance: 66nF - 66mF Frequency: 0-66kHz Temperature: -30°C-1300°C Continuity: Yes	Insulation Function: 250V - 0-250GΩ 500V - 0-500GΩ 1000V - 0-999GΩ 2500V - 0-2.5TΩ 5000V - 0-5TΩ AC Voltage: 750V DC Voltage: 1000V Resistance: 5TΩ Temperature: -10 - 70°C	Earth Resistance: 0-1200Ω Current: 100mA-20A	Earth Resistance: 0.1-30kΩ Test Voltage: 1-50VAC Current: 20mA-2A

TEST PROBES

							
Code	ASL2	AL-12	AL-25	AL-26	FC-A23	PLSS150B PLSS150-BK/R Set	SP1322-R/10 Red SP1322-BK/10 Black
					Black & Red Insulated Crocodile Clips (pair)	Lead with 4mm Plug to fit Digital Multimeters and other test probes.	Banana Plugs - 4mm Male Plug with plastic handle (Packs of 10 Pieces)
	Car Fuse Adapter						
							
					KSY-6005B	FC-170A	
					Black shaft with single pointed gripping jaws	Black and Red Test Probe (pair)	
Code	CF-01	CF-01S			KSY-6005R	FC-A15	
	MAXI-Blade	MINI-Blade			Red shaft with single pointed gripping jaws	Black and Red Test Clips (pair)	

INSTALLATION TEST EQUIPMENT

Earth Leakage Testers				Socket Outlet & RCD Tester	Schuko Socket Outlet & RCD Tester
					
MINITRIP 1	MINITRIP 2	MINITRIP 1/L	UNI-TRIP 50 50mA UNI-TRIP 150 150mA	TEL1-3 (230V) TEL1-4 (240V)	SCHUKI-2
• Wiring check • 5-35mA Stepped out-put. Earth current test rated at 230VAC • 50/60Hz • Rotary switch selection • Push button injection	• Analogue • 10-50mA variable earth current • Wiring check • 50/60Hz • Potentiometer selection of fault current • 230VAC $\pm 15\%$	• As MINITRIP 1 with 15A plug and lead.	• 3 phase Earth Leakage Tester • Analogue • Potentiometer selection of fault current • 230VAC $\pm 15\%$ (L/N) • Phase Selector Switch • 50/60Hz	• Verifies that the wiring is correct (Neon light indication) • RCD testing with variable fault current • Trip settings 10 - 35mA	• Confirms correct wiring of outlet • Adj. RCD triggering • Trip settings: 10-500mA • Size: 100 x 50 x 75mm
Phase Sequence Indicator			Digital Phase Indicator	CEE-Adaptor	Schuko Socket Outlet Tester
			 Non Contact		
ST-850			890PR	SSP-8030	TV400-*
• Check phase sequence • Open phase check • Large alligator clips allow for easy connection & testing • 90-600VAC • 50/60Hz • c/w Carrying case			• Non contact phase sequence testing • Open phase testing • Led and buzzer ind. • Operational Voltage: 75-1000VAC 3PH • Freq. Range: 45-65Hz • Magnetic mounting bracket	• Designed to check the presence of open phase and phase sequence by LED and buzzer at the same time • Operational Voltage: 200-480V AC 3 phase • Freq. range: 20Hz-400Hz	• With Phase Rotation Indication - 3P+N+E • Confirms correct wiring • Indicates phase rotation • Can be used with SCHUKI-2 to test RCD * Add current rating to code: 16A, 32A
SCHUKI-3			MS6860E		
• Confirms correct wiring of outlet • Output via glowing lamps			• Designed to test 110V or 220V sockets in 1 easy step • Clear LED indication of wiring errors including missing earth, live/earth reverse, live/neutral reverse, missing neutral		
Hand Crank Insulation Tester	Hand Held Insulation Tester	Digital Insulation Tester	Digital Insulation Tester		
			 		
NB311110	EM580F (500V)	IT811A (2500V)	2803IN (max 5kV)	2804IN (max 10kV)	
• Insulation Resistance Test voltage 500V Ohm Meter: 0Ω to 500MΩ	• Fixed Time or Test Locked • Data Hold • Overload protection • Backlit LCD Display • Cat III 600V Test Ranges: 125V: 2/20/200MΩ 250V: 20/200/500MΩ 500V: 20/200/1000MΩ AC/DC Voltage: 600VAC/DC	• Auto discharge function • Backlit LCD display • Data hold • Overload protection • Backlit LCD Display • Cat III 600V Test Voltage: 250/500/1000/2500V Resistance: 1m-20GΩ AC Voltage: 0-750VAC	Designed for use by Panel Builders • Non Destructive Test • Limited Current • Insulation resistance • Auto ranging on all ranges • Bargraph indicates test voltage; rise and decay can be observed during tests • Visual and audible warning if external voltage is present • Enersave™ feature to extend battery life • 2 Lines x 16 char. large LCD • Auto-off • Show test time duration (up to 99.9s) for easy comparison Test Voltage (DC V): 0.5 / 1 / 2.5 / 5kV Measuring Ranges: 0-25 / 0-50 / 0-125 / 0-250GΩ		
			Test Voltage (DC V): 1 / 2.5 / 5 / 10kV Measuring Ranges: 0-50 / 0-125 / 0-250 / 0-500GΩ		

INSTALLATION TEST EQUIPMENT

	Analog Insulation Tester	Digital Insulation Tester	High Voltage 5kV Insulation Tester
	Designed for SANS 10142 Testing 		
Code	2732IN (1000V)	2751IN (1000V)	6305AIN (5000V)
Features	• High quality Taut Band movement • Two continuity test ranges on "low ohms" • Compact and lightweight • AC voltmeter with linear scale • Automatic discharge of capacitive & inductive circuit • Live warning and display of external voltage presence • Fuse, air gap, crowbar and overload protected • Low battery consumption • Mirror scale • Push and turn locking switch for continuous and hand free testing	• Timer for test function (count 3-5 minutes) • Automatic circuit discharge • Continuity test with three phases • External voltage warning indication • Fuse protection • Data hold function • Auto power off function	• PI (Polarization Index) indication • DAR (Dielectric Absorption Ratio) indication • Auto-ranging on all insulation ranges • Optical USB to RS-232 data transmission • Visual and audio warning of external voltage presence ($\geq 30V_{ac}$ or $\geq 30V_{dc}$) • Auto-hold function to freeze reading • Overload protection • Auto-off function • Adjustable testing duration: 1~30 minutes • Displays testing duration for insulation measurement • Data can be downloaded and saved to a PC or transferred for real-time display • 200 measurement results can be saved in the memory and recalled on the display
Ranges	Insulation Resistance: Test voltage: (DC V) 250V / 500V / 1000V Measuring ranges: 0-100M Ω / 0-200M Ω / 0-400M Ω ($\geq 1.0mA$ SC) Continuity: Measuring range: 3 Ω / 5 Ω ($>200mA$ SC) AC Voltage: 0-600V AC Power source: 1.5V (AA) x 6	Insulation Resistance: Test voltage (DC V): 250V / 500V / 1000V Measuring ranges (auto ranging): 0-20M Ω / 0-200M Ω / 0-2000M Ω (1mA) Continuity: Measuring range: 0-20 Ω / 0-200 Ω / 0-2000 Ω (200mA) AC Voltage: 0-600VAC Power source: 1.5V (AA) x 6	Insulation resistance: Test voltage: 500V / 1000V / 2500V / 5000V Measuring ranges: 1T Ω / 2T Ω / 5T Ω / 10T Ω Voltmeter: 30~600V AC/DC Power source: 1.5 (C) x 8
	Analog Earth Resistance Tester	3 Wire Earth Resistance Tester	Digital Loop/PSC/Load Tester
			Designed for SANS 10142 Testing 
Code	2705ER	2720ER	2725LP
Features	• High quality Taut Band movement • Capable of measuring earth resistance and earth voltage • 2mA measuring current permits the testing of earth resistance without tripping earth leakage current breakers in the circuit under test.	• Capable of measuring earth resistance and earth voltage • 2mA measuring current permits the testing of earth resistance without tripping earth leakage current breakers in the circuit under test.	• Combined prospective short circuit current, loop and load tester • Measures the voltage drop as if 16A was flowing between Line and Neutral • Display voltage as if 16A flowing between Line and Neutral (V at 16A) • Loop test for L-E • PSC between L-N • Single smart push button operation: ON, Scroll through results and menus • Checks wiring integrity (LEDs) • Auto off/auto ranging (software range)
Ranges	Earth resistance: 0-10 Ω / 0-100 Ω / 0-1000 Ω Earth voltage: 0-30 VAC (40-500Hz) Measuring System: Earth resistance by constant current inverter 820 Hz, 2mA approx. Power source: 1.5V (AA) x 6	Earth resistance: 0-20 Ω / 0-200 Ω / 0-2000 Ω Earth voltage: 0-200 VAC (40-500Hz) Measuring system: Earth Resistance by constant current inverter 820Hz approx. 2mA Power source: 1.5V (AA) x 6	Loop impedance range L-E: 0.03-2000 Ω Test currents in each loop: 11.76A at 230V / 50Hz Voltage measurement: L-N 50 to 280VAC (Sine) Load current for volt drop (L-N): 16A (Calculation) PSC current (L-N) max: 6kA at 230VAC supply Operating voltage: 230V $\pm$ 20V at 50Hz Power Source: 1.5V (AA) x 6

INSTALLATION TEST EQUIPMENT

	Digital Electrical Network Analyzer	Digital RCD/GFCI/ELCB Tester	Digital Earth Leakage Tester
	Designed for SANS 10142 Testing & Fault Finding	Designed for SANS 10142 Testing	Robust Design for Mining Applications
Code	2726NA	2712EL	2820EL
Features	- Built-in Earth tester (No peg required) - Built-in Loop/PSC tester - Built-in Voltmeter - Built-in Wiring checker - One push button smart control - Display L-N and L-E voltages - Display Line path impedance - Display Earth path impedance - Display Neutral path impedance - Display PSC Line to Neutral - Display PSC Line to Earth - Re-scroll through previous results - Bat. ok/low battery indicator - Auto-off function - Rugged Case - Ultra low power consumption	2 Lines x 16 characters LCD - Very low consumption - Accurate digital readout of disconnection time - Automatic data hold function - Over temperature, Over voltage - Fuse protection - Zero crossing circuitry permits testing start at 0° or 180° - Disconnection phase polarity shown on LCD display - Auto off and off override - Polarity trip indicator (positive or negative phase referenced to earth) - Wiring polarity indicator	- Checks ELCB trip time & trip point (sensitivity) 2 Test types for instantaneous ELCBs or inverse and fixed time delay ELCBs - Auto off and auto ranging - Start Phase angle selection (0° / 180°) - Indicates tripping phase angle - Impact resistant enclosure - Over temperature shut-down - Transient protection - Suitable for heavy industrial use - Fused
Ranges	Loop / Earth / Line Impedance: 0.03-2000Ω (auto-ranging) Prospective short circuit (PSC): 0~6kA at 230VAC Operating voltage: 50V~275VAC (50Hz) Best performance at rated voltage: 230VAC ± 20V Voltage Measurement (L-N)(L-E): 50-280VAC (Sine) Power Source: 1.5V (AA) x 6	Operating voltage (L-E) (50Hz or 60 Hz): 230 VAC Current Settings: 3mA, 5mA, 10mA, 15mA, 20mA, 30mA, 50mA, 100mA, 150mA, 250mA, 300mA, 500mA Start phase angle setting: 0° & 180° selectable Over-temperature protection: Yes (3 sensors) Voltmeter (L-E): 20VAC ~ 280VAC (50Hz or 60Hz) Timer resolution: 1ms (Max. Time=2.999s) Timer accuracy: ±2ms Power source: 1.5V (AA) x 6	Trip current: 0-1A at 317VAC / 50Hz Trip current resolution: 1mA Operating voltage: (L-E) 100 - 450V Phase angle setting: 0°&180° selectable Timer-max: 99.999s Timer resolution: 1ms Typical Accuracy: Trip-current: ±1%rdg±1mA Trip-time: ±1%rdg±1dgt Voltage: ±3%rdg±1dgt Power source: 1.5V (AA) x 8

DIGITAL ELECTRICAL COMPLIANCE TEST CASE

Electricians Test Case

Electricians electrical compliance test case, instruments required to test for issue of electrical compliance certificates.

Code	CK-1	
Case Includes	2751IN	Digital Insulation Tester (Page 490)
	TEL1-3	RCD Tester (Page 489)
	MY60	Digital Multimeter (Page 483)
	ST-850	Digital Phase Indicator (Page 489)
	MS8900	Voltage Finder (Page 485)
	2726NA	Digital Electric Network Analyser (Page 491)



INSTALLATION TEST EQUIPMENT

Digital Insulation Tester



Code	TIN4D (5kV)	TIN5D (10kV)	TIN6D (10kV)
Features	- Displays Insulation test time - Displays warning - Fully protected crow bar - Auto ranging - Insulation test time interval up to 99 sec	- Auto Ranging on all Ranges - Display insulation test time - Displays Warning - Fully Protected Crow bar - Insulation test time interval up to 99 sec	- Heavy Duty Carry Case - Silicone test leads - Anti-skid/vibration absorbing enclosure - Live circuit warning - Auto Discharge / Range / Off - Insulation test time interval up to 99 sec
Ranges	Insulation test voltages: 500V / 1000V / 2500V / 5000V Insulation Resistance: 0-30GΩ / 0-60GΩ / 0-125GΩ / 0-250GΩ Accuracy: $\pm 3\%$ reading + 2 Digit Output Current Limit: 50μA to 100μA Live Warning: >500V Power Source: 8 x 1.5V C Batteries Alkaline Standard Accessories: Carry Pouch	Insulation test voltages: 1000V / 2500V / 5000V / 10000V Insulation Resistance: 0-60GΩ / 0-125GΩ / 0-250GΩ / 0-500GΩ Accuracy: $\pm 3\%$ reading + 2 Digit Output Current Limit: 50μA to 100μA Live Warning: >500V Power Source: 8 x 1.5V C Batteries Alkaline Standard Accessories: Carry Pouch	20 Insulation test voltages: 500V - 10KV Insulation Resistance: 25GΩ - 500GΩ Output power Limit: 1W Accuracy: $\pm 3\%$ reading + 1 Digit Short Circuit Current: Max 1.25mA Power Source: 8 x 1.5V C Batteries Alkaline Standard Accessories: Carry Pouch

Digital Insulation Tester

Analogue Insulation Tester



Code	T1851 (1000V)	T1832 (1000V)	T1800 (1000V)
Features	- Live Circuit Indication - Live Circuit Warning - Auto Discharge - AC voltage measurement - Auto Power Off - Continuity Buzzer	- Taut Band Movement - Live Circuit Indication - Auto Discharge - AC voltage measurement - Rugged Construction - Nulling of Test Leads - Continuity Buzzer - Mirror Scale	- Taut Band Movement - Live Circuit Indication - Colour Coded Scale - Auto Discharge - Heavy Duty Carry Case - AC Voltage Measurement
Ranges	Insulation test voltages: 250V / 500V / 1000V Insulation Resistance: 0-200MΩ / 0-2000MΩ (1mA) Accuracy: $\pm 1.5\%$ reading + 5 Digit Continuity Range: 0-2kΩ (210mA) Voltage Measurement: 0-500VAC Power Source: 8 x 1.5V AA Batteries Alkaline	Insulation test voltages: 250V / 500V / 1000V Insulation Resistance: 0-100MΩ, 0-200MΩ, 0-400MΩ (1mA) Accuracy: $\pm 5\%$ of Indicated Value Continuity Range: 0-50Ω (200mA) Voltage Measurement: 0-500VAC Power Source: 8 x 1.5V AA Batteries Alkaline	Insulation test voltages: 250V / 500V / 1000V Insulation Resistance: 0-100MΩ, 0-200MΩ, 0-400MΩ (1mA) Accuracy: $\pm 5\%$ of Indicated Value Continuity Range: 0-50Ω (145mA) Voltage Measurement: 0-500VAC Power Source: 8 x 1.5V AA Batteries Alkaline

INSTALLATION TEST EQUIPMENT

	Digital Earth Resistance Tester	Analogue Earth Resistance Tester	ELCB/Phase Rotation Tester
Code	T1820	T1805	TEL11
Features	- Earth voltage detection 2mA earth resistance to test 2 and 3 Wire Testing	- Large display - Taut band movement 2 and 3 Wire tester	3 Phase presence 3 Phase rotation - Test for disconnection sensitivity - Test for disconnection time - Select one of 3-phase to test ELCB - Measure voltage phase to earth - Over temperature protection - Phase polarity trip indicator
Ranges	Resistance: 20Ω, 200Ω, 2kΩ Earth Voltage: 200VAC (40 - 500Hz) Measuring System: Earth resistance by constant current inverter, 820Hz, 2mA Approx Resistance Accuracy: ±2% rdg + 2 Digit Voltage Accuracy: ±1% rdg + 2 Digit Power Source: 8 x 1.5V AA Batteries Standard Accessories: Test Leads, Earth Spikes and Shoulder Belt	Resistance: 10Ω, 100Ω, 1kΩ Earth Voltage: 30VAC (5kΩ/V) Measuring System: Earth resistance by constant current inverter, 820Hz, 2mA Approx Withstand Voltage: 1500VAC (one minute), ±1.8% + 4 Digit Resistance Accuracy: ±2.5% of full scale Voltage Accuracy: ±1% of full scale Power Source: 8 x 1.5V AA Batteries Standard Accessories: Test Leads, Earth Spikes and Shoulder Belt	Phase-start-selection: 0°C and 180°C Current Settings: 1 to 999mA AC Operating Voltage (L-E): 110V AC to 317V AC (525V system) Current Resolution: 1mA Voltmeter Resolution: 1V Maximum Current Consumption: 10mA ELCB Voltage Measurement (L-E) (V AC) : 10 - 550V ELCB Fuse (Slow Blow) Power Source: 8 x 1.5V C Batteries Alkaline Certificate of conformance: Standard Accessories: Test Leads x 2 (terminate own plug)
	Loop/PSC/Load Tester		ELCB Tester
Code	T1825 (1000V)	T1826 (1000V)	TEL28 (1000V)
Features	- Load/No load tester - Prospective short circuit current (PSC) - Volt drop test - Micro processor controlled - Test up to 100A (6kA) circuit breakers 3-Phase system test - Designed to SANS 10142	- Fault finding - Electrical network analyser - Earth resistance without peg - Analyse to SANS 10142 - Loop test for L-E, L-N and PSC	- Micro-processor controlled - Direct read out of time/current - Voltage measurement - Suitable for industrial, mining and domestic environments 3 Phase - Each phase tested separately - Designed to SANS 10142
Ranges	Loop: 0~2000Ω PSC: 0 ~ 6kA @230V(L-N) Operating Voltage: 50 ~275VAC (50 or 60Hz) Test Current: 12A (Load Volts shown as @16A) Power Source: 8 x 1.5V AA Batteries Alkaline Standard Accessories: Carry Case, Strap, Leads	Loop: 0~2000Ω PSC: 0 ~ 6kA @230V (L-N) Operating Voltage: 230VAC ± 20V (50Hz) Test Current: 11.76A Neutral Wire Resistance: 0.01 - 2000Ω Live Wire Resistance: 0.01 - 2000Ω PSC Current (L-N): Max 6kA @ 230V AC PSC Current (L-E): Max 6kA @ 230V AC Power Source: 8 x 1.5V AA Batteries Alkaline Standard Accessories: Carry Case, Strap, Leads	Rated tripping current: 0 to 1000mA, ± 1mA Resolution: 1mA Operating Voltage (L-E): 100 to 450VAC, Maximum Trip Time: 100 secs (1mS resolution), Phase Angle Setting: 0 and 180° selectable Power Source: 8 x 1.5V AA Batteries Alkaline Standard Accessories: Carry Case, Strap, Leads

POWER QUALITY ANALYSERS



Code	MI-2892
Voltage: TRMS, peak, crest factor	4 Ch Cat III / 1000V
Current: TRMS, peak, crest factor	4 Ch (Auto clamp detection)
Power: P, Q, S	✓
Unbalance, flicker measurement	✓
Harmonic and THD measurement	✓
Interharmonics	✓
Energy (P, Q, Forward/backward)	✓
Events (interruptions, swells, dips)	✓
Inrush currents	✓
Waveform/inrush	✓
Transients recording	✓
Power quality analysis EN 50160	✓
Recording of adjustable alarms	7
Temperature measurement	✓
Power factor cos φ	✓
PC software (Included)	PowerView 3
Standard Set	
1-phase flexible current clamps	4x 3000 / 300 / 30 A
Test probe/clip/leads	5 / 5 / 5
Temperature probe	1
Memory	8GB SD supplied
Communication	RS232, USB and Ethernet
PSU & Batteries	1
Soft carrying bag	1



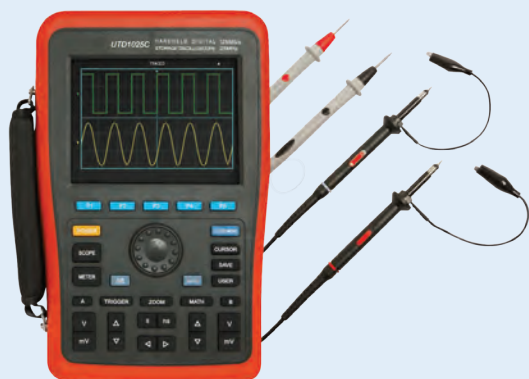
Accessories

Code	Description
A1069	Mini Clamp 100A/1V (range 2A - 100A)
A1122	Mini Clamp 5A/1V (range 2A - 100A)
A1039	Connection cable for current clamp
A1037-M	Current transformer 5A/1V
A1033-M	Current clamp 1000A/1V
A1257	3-phase flexible current clamps 3000/300/30A/1V
S2014	Safety fuse adapter, 3 pcs
A1198	Magnetic contact probe

DATA LOGGERS

	Temperature/Humidity & Air Pressure Datalogger	Sound Level Datalogger	DC Current or Voltage Datalogger	
				
Code	ST-174B	ST-173	ST-171A	ST-171V
Features	- Manual & Automatic start mode - Alarm set-up & indication - Recording & low battery indication - USB port for data traffic & power - Status indication via Red/Yellow & Green LED	- Max - Min measurement - Alarm value set-up / A&C Weighting - Normal & Peak Mode - Fast and slow response - Manual/Auto Mode	- Freely selectable measuring cycle - USB Data Download - Alarm display if parameters exceeded	
Ranges	Data memory: 10 000 readings Sampling Rate: 1 min to 18 Hrs Data Output: USB Temp Range: -40 to 70°C / -40° to 158°F Resolution: 0.1°C/0.1°F Humidity Range: 0 to 100%RH Resolution: 0.1%RH Air Pressure: 950 to 1050hPa Resolution: 0.1hPa	Sampling Rate: 1sec - 24hr Accuracy: ±1.4db Freq Range: 31.5Hz to 8kHz Dynamic Range: 50db Level Ranges: Auto: 30db - 130db Time Weighting: Fast(125ms), Slow(1s) Reading Memory: 129920 points for dBA or dBC Data Output: USB Data	Status display: 2 LEDs Current Range: 4 to 20m ADC Accuracy: ±1%/±1Count Memory: 32000 readings Sampling Rate: 2sec - 24hrs	Status display: 2 LEDs DC Voltage Range: 0 to 30VDC Accuracy: ±0.5%+1 Memory: 32000 readings Sampling Rate: 400Hz to 24 hrs

20MHZ HANDHELD DUAL CHANNEL SCOPE METER



DMM Functions

DCV/ACV: 600m/6/60/600/1000V(750V),
±1.0%/1.2%

DCA/ACA: 6/60m/600m/6A, ±1.2% / 2.0%

OHM: 600/6k/60k/600k/6M/60MΩ, ±1.2%

CAP: 6n/60n/600n/6μ/60μ/600μF, ±4.0%

Audible continuity & diode test

Features

- DMM built with dual-channel DSO, colour LCD display
- Automatic waveform and status configuration
- Edge, Pulse, Video and Alternate triggers
- Waveform maths & FFT, auto & cursor measurement
- Display zone for precision waveform analysis
- Screen copy, waveform recording and replay

Scope Meter

Code	UTD1025C
Bandwidth	DC ~ 25MHz, dual channels
Real-time Sampling Rate	125M Sa/s
Equivalent Sampling Rate	25G Sa/s
Horizontal sensitivity	10ns/div-50s/div, ±0.01%
Record Length	2 x 512k
Vertical sensitivity	5mV/div-5V/div, ±5%
Vertical resolution	8 bit
Rise time	14ns
Trigger type	Edge, Pulse width, Video, Alternate
Max. input voltage	400V DC + AC peak
Input impedance	1MΩ //21pF
Waveform maths	+, -, *, /, FFT
Auto measurement	Vpp, Vmax, Vmin, Vtop, Vbase, Vmid, Vamp, Vavg, Vrms, +Overshoot, -Overshoot, Freq, Period, Risetime, Falltime, +Width, -Width, ±delay, ±duty
Cursor measurement	ΔV, ΔT
Frequency counter	6 digits
Interface	USB2.0 Host
Storage (internal/USB)	10 waveforms + 10 setups
Display	5.7 inch 320 x 240 pixels color LCD

- Built-in 6 digits frequency counter
- USB interface, system software upgradeable
- AC power (100~240V, 50/60Hz) or batteries
- Dimensions & weight: 268 x 168 x 60mm, approx 1.8kgs
- Accessories: AC adaptor, interface wire & software, test leads & probes

HIGH VOLTAGE SAFETY GLOVES & MATS

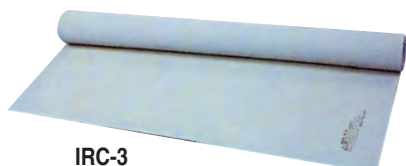
CE Approved



CUST.GI



VPG90



IRC-3

Safety Gloves

Test V	2500V	5kV	10kV	20kV	30kV
User V	500V	1kV	7.5kV	17kV	26.5kV
Code	Code	Code	Code	Code	Code
8	GI2,5-8	GI5-8	GI10-8	GI20-8	GI30-8
9	GI2,5-9	GI5-9	GI10-9	GI20-9	GI30-9
10	GI2,5-10	GI5-10	GI10-10	GI20-10	GI30-10
11	GI2,5-11	GI5-11	GI10-11	GI20-11	GI30-11

Accessories

Code	Description
CUST.GI	Protective plastic case for gloves
VPG90	Pneumatic Tester. Inflates the gloves and you can detect perforation on dielectric

26,5kV Insulated Rubber Safety Mat - 3mm thick x 1 m wide – priced per meter

Code	Description
IRC-3	3mm x 1 meter (w). Voltage test 30000V, max use voltage 26500V

HIGH VOLTAGE TESTERS



HVD Range - High Voltage Detector

Code	HVD13AC	HVD32AC	HVD33AC
System Voltage	6.6-132kV	11-33kV	44-132kV
Threshold Range*	2.5kV	2.5kV	10kV

Technical Overview

Spark Protection	The detector will not be damaged as a result of spark discharge while making contact with the conductor under test
Bridging Protection	The detector and its accessories will not cause flashover between live parts of the installation or between live parts of the installation and earth/ground
Current Consumption	30 mA maximum
Test Button	Tests and arms the detector when pressed and released
Visual Indicator (2Hz)	Red lamp (voltage present), green lamp (safe)
Audible Indicator	Buzzer - 3.1 kHz tone modulated at 2 Hz - 70 dB (1.5 metres)

Mechanical

Y Electrode	Material: Stainless Steel. Size (mm): 40Ø x 35L
Standard Accessories	Carry bag, Cleaning kit, Rose Connector, Y Contact

- Checks if HV system is alive or dead
- All weather use (indoor or outdoor)

* Non standard threshold voltages can be set outside the range to suit customers requirements



THVD Range - Contact Capacitive High Voltage Detector

Code	T213HVD	T217HVD	T218HVD	T219HVD	T220HVD
System Voltage	11kV	11/33kV	6/22kV	44/132kV	6.6/132kV
Threshold Set within Range	1.65-4.4kV	3.3-4.95kV	1.8-2.7kV	6.6-19.8kV	1.65-14.6kV
Response Time	<1 Sec	<1 Sec	<1 Sec	<1 Sec	<1 Sec
Auto-OFF	±3 Min	±3 Min	±3 Min	±3 Min	±3 Min
Bridging Protection	Yes	Yes	Yes	Yes	Yes
Spark Protection	Yes	Yes	Yes	Yes	Yes
Battery Low	<7V	<7V	<7V	<7V	<7V
Threshold	3.02kV	4.12kV	2.5kV	13.2kV	2.5kV
Battery Current	<30mA	<30mA	<30mA	<30mA	<30mA
Green = Armed	Yes	Yes	Yes	Yes	Yes
Red = V Detected	Yes	Yes	Yes	Yes	Yes

- Self-starting and automatically activated when the High Voltage is applied to the contact electrode
- Use on sinusoidal (50 or 60Hz) High Voltage Systems
- Models are available to cover systems voltage from 6.6kV to 132kV
- IEC 61243-1 for voltages above 1kV 50/60Hz
- Check system is dead or alive



High-Prox Voltage Proximity Detector

Code	T175HP
Ranges	240V, 3.3kV, 6.6kV, 11kV, 22kV, 33kV, 66kV, 132kV, 275kV
Detection	Selected range is detected at approx. 25cm from the voltage source 240V ±10cm, 33kV ±50cm
Self-Test	Selection
Indicators	Bright Red LED and buzzer

Model Specifications

Power Source	3 x 1.5V C Batteries
Standard Accessories	Carry Pouch

- Non-contact high voltage detector
- Ten switch-selectable voltage sensitivity ranges
- Lightweight
- Audible and visual indication of live voltage
- Rose adaptor
- Check high frequency radiation

HIGH VOLTAGE TEST EQUIPMENT



286-SVD



325-SVD

When approaching a high voltage source the buzzer will sound and LED will flash to alert the user. Waterproof Design.

Personal Safety Voltage Detector

Code	286-SVD	325-SVD
Sensing Distance $\pm 20\%$	80cm @ 11,4kV	120cm @ 11kV 140cm @ 22kV 160cm @ 33kV
Buzzer Volume	70dB @ 1m	70dB @ 1m
Size	59 x 56 x 18mm	79 x 33 x 42mm



High Voltage Proximity Detector

Code	277HP
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The **277HP** is a voltage (non contact) proximity detector for checking for the presence of AC voltages in cables, wall outlets, fuses etc. AC voltages from 50V to 132kV.

- 2 selectable ranges: LOW: 50 - 1.5kV
HIGH: 1.5kV - 132kV
- Power consumption OFF: Less than 5 μ A
ON: Less than 40mA
- Test Button: Test the system prior to measurement
- Operating Temperature: 0°C - 40°C
- Dimensions (L x W x $\varnothing$): 318 x 75 x 71mm
- Power Source: 1 x 9V (6F22) battery
- Standards: EN61326-1 / EN61000-4-2 / EN61000-4-3
- Supplied with: Manual, Battery, Carry case.

Accessories - Hotsticks

Code	Description
HS-*	Meets IEC 60855 Rated at 100kV per 300mm / 5 minutes

*Add Length to Code: **120** = 1200mm long,
800 = 800mm long, **500** = 500mm long



Disconnect Hook



HOK-HS166

Fuse Extractor



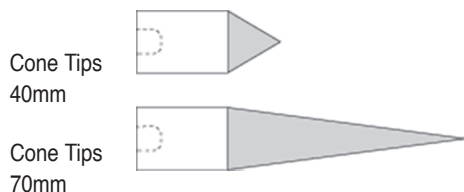
ADP-HS120

High Voltage Multifunction Phasing Sticks



Specifications	PC-11K	PC-44K
System Voltage	11kV	44kV
Maximum Voltage	15kV	55kV
Total Resistance	6.78M Ω	27M Ω
Total Length	1105mm	1525mm
Total Weight	± 1.2 kg	± 1.5 kg
Handle Material	Silicone, Front end: Fibre glass wound tubing	
Operating Temp / Humidity	-25°C to +55°C / 20 to 96% RH	

- Lightweight, Robust
- Designed for maximum safety
- Carry case included
- No user assembled parts
- Dual colour coded scale
- Measure & test phase to earth & phase to phase
- Self-powered - No Battery
- Grounded or ungrounded systems
- High immunity to interference fields



Response Time <1 sec



Accessories - (for all models)

Code	Description
PC-BK	90° bends (pair)
PC-C1K	40mm cone tips (pair)
PC-C2K	70mm cone tips (pair)

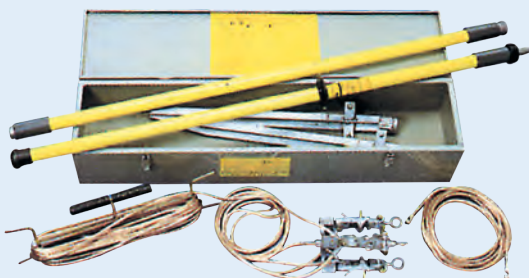
RMB36
c/w case



Phasing and Voltage Detector of MV Presence / Absence by Visual Signalling (Indoor Use)

Code	Description
RMB36	• Double pole voltage detector • Phase relationship detector • HV fuse tester • Operating range: 5/36 kV • Total length of each rod complete with antenna: 1,17m

HIGH VOLTAGE TEST EQUIPMENT



Short Circuiting and Grounding

Short circuiting and grounding equipment for electrical cabinets and MV installations with universal contact clamps

Code	Description
MT/BM-25	Standard type. lcc: 13,7kA eff / 0.25s With short circuit cables section 25mm ²
MT/BM-50	With short circuit cables section 50mm ² lcc: 13kA eff / 0.5s
MT/BM-95	With short circuit cables section 95mm ² lcc: 24kA eff / 0.5s

Certificate complies to the International Standard CEI EN 61230 (CEI IEC 1230)



Fuse Extraction Rod

Code	EF30
Description	Insulating Rod for fuse extraction and installation on systems with working voltages up to 30kV

VOLTAGE TESTERS

	Screw Driver Type		Continuity & Non-Contact	Advanced Non-Contact
				
Code	BESTEST 7	BESTEST 18	TESTBOY20	MD-116
Safety Rating	—	—	Cat II 300V	Cat IV 1000V
Test Voltage AC	200 - 250VAC	100 - 500VAC	0 - 300VAC	12V - 1000VAC
Indication	Neon	LED	Buzzer / LED	Optical, Acoustic, Vibrating
Non Contact V	No	Yes	Yes	Yes
Features	• Contact test to earth • With pocket clip	• With pocket clip • Non-contact test • Continuity check: 0 - 50MΩ • DC polarity check 1.2 - 36VDC	• Non-contact voltage detector (>110VAC) • High performance LED torch • Continuity indication via lamp or buzzer • 1 pole phase detection	• With pocket clip • Integrated LED flashlight • Low / high sensitivity • Three indication methods

	Analogue	LED Bargraph Display	Voltage & Continuity		
					
Code	901	MV-400	GK12A	MD-1060	MD-1160
Safety Rating	Cat III 750V	CAT III 600V	Cat III 1000V, Cat IV 600V	Cat IV 600V	Cat IV 600V
Test Voltage	120 - 750V AC/DC	6 - 400V AC/DC	10 - 690V AC/DC	12V - 690V AC/DC	0V - 690V AC/DC
Indication	Neon / Analogue Scale	LED	LED	Acoustic / LED	Acoustic / LCD
Features	• Double insulated Handles • Neon indication of voltage presence • Clearly legible analogue scale • DC polarity indication	• DC polarity indication	• Continuity / Diode Test (<200kΩ) • Phase Rotation Test • Single pole phase testing • LED Worklight	• Continuity Buzzer & LED: 0 - 500KΩ + 50% • Auto AC/DC recognition • Rotary Field Testing • Indication of extra low voltage	• Continuity Buzzer & LED: 0 - 500KΩ + 50% • Auto AC/DC recognition • Rotary field testing • Indication of extra low voltage • LED Work Light • 2 pole phase sequence • Single pole phase testing

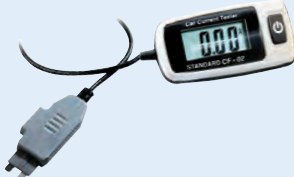
TEST EQUIPMENT

	DIY Electronic Test Kit	Magnetic Field Tester	Circuit Breaker Identifier
			
Code	ETK03C	AC-8M	191CBI
Features	GK7 Non-contact voltage tester with LED and audio alarm; Voltage Range: 50 - 1000VAC 50 - 500Hz EM306B Digital Clamp Meter, Continuity Test, Diode Check, Data Hold, Voltage Range: 600V AC/DC, AC Current 20 - 400A, Resistance: 2kΩ - 200kΩ, Jaw Size: 27mm DT830 Digital Multimeter; Continuity Test, Diode Check Voltage range: 200mV - 250VDC / 200mV - 250VAC, Current Range: 200μA - 10ADC, Resistance: 200Ω - 2MΩ	- Testing solenoids & relays - Illuminates when a magnetic field is present - No metallic contact required - Responds to AC and DC magnetic fields and permanent magnets	- Easy tool to find a circuit breaker or fuse without disconnecting the supply - Plug the transmitter into the outlet socket, use the receiver to scan the distribution board or panel to find the correct circuit breaker supplying power to socket

CABLE TESTING/TRACING

	Wire Tracer	Multi-Purpose Wire Tester	Network Test Kit
			
Code	162CB	183CB	ETK05D
Features	- Trace cables within a group without damaging insulation - Volume Control 50/60Hz filter - Auto Off function & Flashlight - Continuity Tester - Polarity Tester - LED Indication - Frequency 1kHz - c/w Batteries/Pouch	- Trace cables or wires - Volume Control - Voltage free continuity and polarity testing - Tip & Ring Identification - LED Indication - Detect AC/DC Voltages - Test capacitors & diodes - Frequency: 1kHz - c/w Batteries/Pouch	5 Piece Kit includes: - Carry case EM415: Wire/Cable Tracer EM416 Network Tester (RJ12 or RJ45) BT1: Battery tester for 9V - Ratchet Crimpers - Punch Down Tool - Batteries included
	Network Cable Tester	Voltage / Metal / Wood Detector	5 in 1 Detector & Distance
			
Code	KT-201	MVS-168A	EM60
Features	- Test range: 300m (L) - Accuracy: ±5% - Resolution: 0.1m 16 x 2 LCD characters - Cable Continuity - Suitable for computer network systems Warning: Do not use on live circuits	Detection: - Stud - Wood stud 30 x 30mm: ≤10mm - Metal - Copper pipe dia.15mm: ≤24mm - AC:90 - 250VAC @ 50 - 60Hz: ≤35mm - Sensitivity can be adjusted - Can be used to accurately detect the position of pipes, AC voltage and wooden studs - Battery: 9V included	- Distance Measurement: 0.4 - 18m - Accuracy: approx. 0.5% + 1 digit - Resolution: 0.01 meters Detection: - Stud - Wood Stud 30 x 30mm: ≤14mm - Metal - Iron pipe dia.20mm: ≤25mm - AC: 90 - 250VAC @ 50 - 65Hz: ≤5cm - Calculates area, volume & does computation of distance - Size: 160 x 64 x 46mm • Battery: 9V incl

TEST EQUIPMENT

	Automotive Current Tester		Battery Testers	
				
	Maxi-Blade	Mini-Blade		
Code	CF-02	CF-02S	BT-12	AT-953
Features	• Measuring Range: 20A@48V AC/DC (10 Sec max) • Resolution: 10mA • Cable length: 75cm • Plugs straight into automotive fuse holder in car		• 12VDC battery analyser • Voltage Test: 8 - 25VDC • On Load Battery Test (Evaluates battery's ability to crank engine) • Charging system test • Starter motor test	• Battery Tester • Car lighter plug • 5 indicators: Low / Fair / Normal / Full & Over
	CO Analyser	Coating Thickness Tester	Sound Level Calibrator	
				
Code	TES-1372	TESTBOY70	SC-05	
Features	• CO Range: 0 - 900ppm (CO) • Max hold with time stamp • Alarm level setting & replaceable sensor • Automatic zero on start-up • Accuracy $\pm 5\%$ of reading or $\pm 2\text{ppm}$ (whichever is greater) • Auto power off & back-light for display	• Range: 0 - 1000μm / 0 - 40mil • c/w two probes • Measures non-magnetic coatings on steel or iron • Also measures insulating coatings on non-magnetic metals	• 94db and 114db calibration at 1kHz • Accurate & simple to use • Fits 1/2inch diameter microphone • Output Frequency: 1000HZ, $\pm 4\%$ • Reference Temp: $>23^{\circ}\text{C}$ (73°F) • Relative humidity: $>35\%$ RH • Atmospheric Pressure: $>1013\text{mbar}$ (760mm of Hg) • Accuracy of sound pressure level under stated reference conditions $\pm 0.5\text{db}$	

SIMULATORS & THERMOCOUPLES

	4-20mA Simulator	K & J Simulators		K Type Thermocouples			
							
Code	603	601K	601J	TPK-01	TPK-03	TPK-04	MS-P3400
Features	• Ideal for calibration standard & used as a current source.	• Checking K type thermocouples and calibrating process indicators/controllers • Accuracy: $\pm 0.5^{\circ}\text{C}$ ($+1^{\circ}\text{F}$)	• Checking J type thermocouples and calibrating process indicators/controllers • Accuracy: $\pm 0.5^{\circ}\text{C}$ ($+1^{\circ}\text{F}$)	• Bead Probe • 1.2m long wire has an industry standard mini connector plug • Measure surface or air temperature	• Immersion Probe • General purpose needle type with stainless sheath	• Surface Probe • Ideal for measuring the surface temp. of small electronic parts. • Fast Response	• Bead Probe • 1m Long Wire
Ranges	Current: 4mA, 12mA & 20mA Voltage: 9VDC	0°C (32°F) 100°C (212°F) 500°C (932°F) 1000°C (1832°F)	0°C (32°F) 100°C (212°F) 200°C (392°F) 400°C (752°F)	Temperature: 0-260°C (500°F)	Temperature: 0-800°C (1472°F)	Temperature: 0-800°C (1472°F)	Temperature: -40°-260°C

TEST EQUIPMENT

	Infrared Thermometer	Pen Type Thermometers		pH/ORP/mV Temperature Meter	Moisture Meter
					
Code	IR-FI01	ST-132	ST-133	MP-103	EM4807
Features	• Non contact measurement • Automatic Alarm if fever is detected • Fast measurement	• Measures temp & humidity • Min/Max Hold • Auto power off	• Measures temp only • Auto power off • Display in either °C or °F • Data Hold • LCD Display	• Large LCD Display • Magnet for Handsfree Operation • Auto or Manual Temperature Compensation • Auto Power Off	• Measure moisture level in paper/cardboard, wood & hardened material (mortar/ concrete/plaster). • Measure ambient temp. • Built in torch.
Ranges	Temperature: -32 to 42.9°C Resolution: 0.1°C/°F	Temperature: -30 to 50°C Humidity: 30%-95%RH	Temperature: -50 to 300°C (± 1°C / 1°F) Length: 245mm	ORP Range: ± 1999mV PH Range: 0 - 14 ATC Range: 0 - 100°C Calibration pH: 4.00, 7.00, 10.00 Temp Range: 0 - 100°C (°C / °F) ORP Probe: MP-103-ORP Buffer Solution 4.00 (50cc): B-4 Buffer Solution 7.00 (50cc): B-7	Wood: 6-42% Resolution: 1% Building Material: 0.2-2% Temperature: 0-40°C/ 32-99°F

DISPLAY UNITS & CABINETS

These Display Units are available on placing of Stock Orders worth a minimum Rand Value.
Please contact the Tools Product Specialist for more details.

			
			Desk Top Display
Code	AC/DC DISPLAY CABINET	AC/DC DISPLAY CABINET-1	AC/DC DISPLAY CABINET-2
Description	Choice of 3 variations: 1. Hand tools and meters 2. Power tools 3. Combination of 1 & 2	Large display cabinet containing a selection of Mastech products	Small display cabinet containing a selection of Mastech products
Size	1200(W) x 440(D) x 2000(H)	600(W) x 380(D) x 1800(H)	600(W) x 380(D) x 800(H)

THERMAL IMAGING CAMERAS

Compact Range - Thermal Imaging Cameras for your Smart Phone

Made for iPhone® and Android™ top models, Seek Compact transforms your smartphone or tablet into a professional thermal imaging tool. By utilizing the power and convenience of your smartphone, our cameras make it easy to take thermal photos and video, share findings, and send for documentation. Simply connect and detect energy loss caused by air leaks, missing or damaged insulation, inefficient HVAC systems, electrical faults, and much more. On top of all this, Seek Compact cameras are engineered to run on low power from your smartphone and do not require batteries or charging.

	Compact Thermal Camera	CompactXR Thermal Camera	CompactPRO Thermal Camera
			
Android™ Code	ST-COMPACT-A	ST-COMPACTXR-A	ST-COMPACTPRO-A
iPhone® Code	ST-COMPACT-I	ST-COMPACTXR-I	ST-COMPACTPRO-I
Features	• Easy to Use Indoor Versatility. Wide field of view quickly scans the inside of any room • High-Performance Thermal Sensor accurately identifies areas of heat loss and gain • Best in Class Temperature Range • Customize, Record and Share Intuitive, free mobile app available on Google Play and iTunes App Store • Focusable Lens for Quick Identification • Comes with its own waterproof case	• Built for Long-Range Detection. Narrow field of view quickly scans up to 550 meters • High-Performance Thermal Sensor accurately identifies heat signatures • Best-in-Class Temperature Range • Customize, Record and Share Intuitive, free mobile app available on Google Play and iTunes App Store • Focusable Lens for Quick Identification • Comes with its own waterproof case	• High-Resolution Thermal Sensor 76,800 temperature pixels for maximum image clarity and sensitivity • Adjustable Emissivity. Calibrate for reflective surfaces when accuracy is critical • Span & Level: Isolate and capture the thermal details that matter • Wide, 32-Degree Field of View Easily scan a large area to identify potential hazards in seconds • Focusable Lens for Quick Identification • Utilizes the Power and Display of Your Smartphone. Intuitive, free mobile app available on Google Play and iTunes App Store • Comes with its own waterproof case
Specifications			
Thermal Sensor	206 x 156	206 x 156	320 x 240
Detection Distance	300 Meters	550 Meters	550 Meters
Field of View	36°	20°	32°
Temperature Range	-40°C to 330°C	-40°C to 330°C	-40°C to 330°C
Frame Rate	<9Hz	<9Hz	<15Hz FastFrame
Temp. Display Scale	Fahrenheit or Celsius	Fahrenheit or Celsius	Fahrenheit or Celsius or Kelvin
Colour Palettes	9 Options	9 Options	9 Options
Consumption	Up to 280mW	Up to 280mW	Up to 280mW

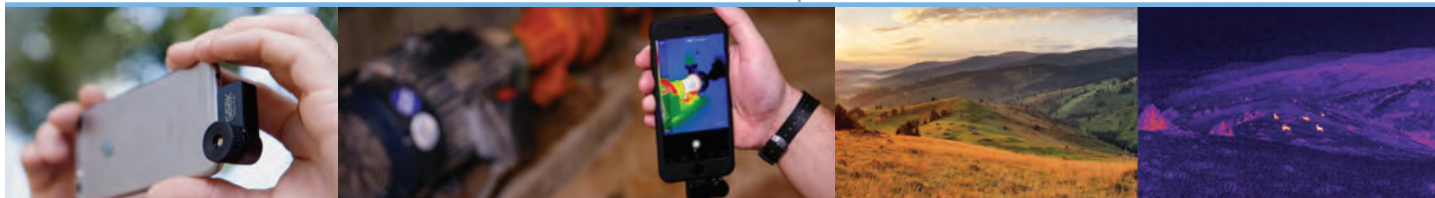
Accessories



ST-BLAKE-CLIP

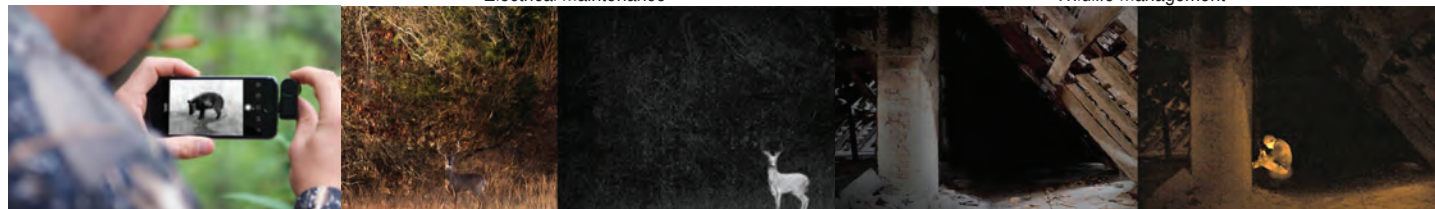
ST-COMP-CABLE

Code	Description
ST-BLAKE-CLIP	1/4" threaded tripod mounting bracket for Seek Compact range
ST-COMP-CABLE	USB cable for connection of Seek Compact range to PC



Electrical Maintenance

Wildlife Management



Hunting Applications

Security or Rescue Applications

THERMAL IMAGING CAMERAS

Powerful and rugged in design, the standalone Seek Reveal combines high-resolution thermal imaging, a long-lasting rechargeable battery, and a large color display in one durable device. And when you need it, Reveal's powerful 300-lumen LED light is available at the touch of a button. Seek Shot is the most advanced thermal imaging camera for building professionals. Snap photo and video and analyze immediately with new on-board thermography tools. Add spot measurements and temperature boxes to create time-saving reports on the spot. Take full control of photos and video by adjusting the blend between visible and thermal images. Share and stream to any smartphone or tablet over WiFi.

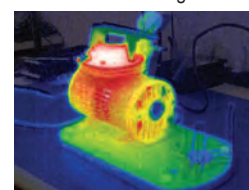
	Thermal Imager with LED Flashlight	Reveal Thermal Imager	RevealPRO Thermal Imager	Reveal Shot Range IP54	
					
Code	ST-REVEAL XR -*	ST-REVEAL	ST-REVEALPRO	ST-SHOT	ST-SHOTPRO
Features	- Built for Long-Range Detection - High-Performance Thermal Sensor - Smooth Viewing with FastFrame - Best-in-Class Temperature Range - Long-Lasting Rechargeable Battery - See Through the Dark. Add Housing Colour to code: B (Black), C (Camouflage)	- Wide field of view quickly scans the inside of any room - Best-in-Class Temperature Range - Up to 10hrs of continuous thermal imaging on a single charge - Intuitive Software Continuous feature enhancements	- High-Resolution Thermal Sensor - Rugged, rubberized casing with Corning® Gorilla® Glass - Continuous Digital Zoom up to 4X - Up to 4 hours of thermal imaging in Normal MODE - Level and span controls let you isolate and capture the details that matter - Adjustable Emissivity. Calibrate for reflective surfaces when accuracy is critical	- More pixels, more precision - more resolution than the competition. Best in class thermal resolution - SeekFusion™ Technology - See exactly what you're looking at with combined visible thermal images - Large colour touch Screen - 3.5" with 640x480 resolution - Wi-Fi live view - Stream a live thermal view onto your smartphone or tablet - Up to 4hrs continuous thermal imaging 3 Customisable spot temperatures 3 Customisable area boxes - Adjustable span & emissivity	
Specifications					
Thermal Sensor	206 x 156	206 x 156	320 x 240	206 x 156	320 x 240
Detection Distance	275 Meters	150 Meters	550 Meters	-	-
Field of View	20°	36°	32°	36°	57°
Temperature Range	-40°C to 330°C	-40°C to 330°C	-40°C to 330°C	-40°C - 330°C	
Frame Rate	>15 Hz FastFrame	<9Hz	>15 Hz FastFrame Normal Mode	<9Hz	
Flashlight	300 Lumen LED	300 Lumen LED	300 Lumen LED	Light / Flash	
Temp. Display Scale	Fahrenheit or Celsius	Fahrenheit or Celsius	Fahrenheit, Celsius or Kelvin	Fahrenheit, Celsius or Kelvin	
Colour Palettes	7 Options	7 Options	9 Options	8 Options	
Storage Media	MicroSD Card Included	MicroSD Card Included	4GB Internal Drive	4GB Internal Drive	

Accessories

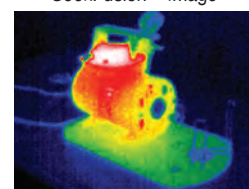
Code	Description
ST-VELCRO-1	Holster Bag with Velcro for Seek Reveal range
ST-DRING-1	Attach your Seek Reveal D-Ring to any retractable lanyard (not incl.)



Visible Image



SeekFusion™ Image

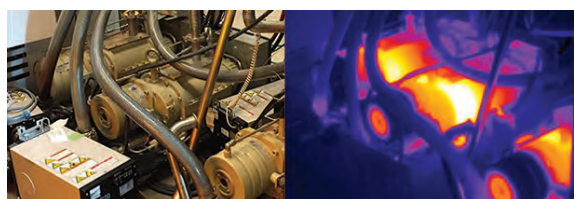


Thermal Image



Security Surveillance

Industrial Surveillance



Failing Pumps/Motors



Thermal Image, Corroded Fuse

ELECTRONIC EDUCATIONAL EQUIPMENT

Advanced Solderless Breadboards

The best tool to complete the prototyping & testing for your electronic circuits

- Body material ABS
- Interconnection Clips material Alloy of Silver and Nickel
- Easy combination & Expandable



AD101



AD102



AD11



GL-24



UIB-34

Code	Dimensions L x W x H	Tie-Points	Interconnected		24 Clip	5 Connected Term	25 Connected Bus	IC Capacity 14 Pins	Binding Post	Back-Plate
			6 Clip	12 Clip						
AD101	81 x 52 x 9	408	60	2	1	–	–	–	0	Sticker
AD102	81 x 62 x 9	456	60	4	2	–	–	–	0	Sticker
AD11	83 x 147 x 19	958	142	4	2	–	–	–	5	Sticker
UIB-34	230 x 255 x 20	2320	–	–	–	384	16	27	4	Plastic Stand
GL-24	224 x 150 x 20	1680	–	–	–	256	16	18	3	Plastic Stand



PSB-01

Accessories

Code **PSB-01**

Power supply c/w all cables and 5DC output wires

- Short circuit proof
- DC output
 - (1) DC + 5V, 1A – 5V, 500mA. Fixed
 - (2) DC 0 to + 15V, 500mA Variable
 - (3) DC 0 to – 15V, 500mA Variable
- AC output
 - (1) AC voltage: 12V-6V-0V-6V-12V, 60mA Fixed





SWS-01

SWS-02

LP-540H

Code	Description
SWS-01	Wire set with banana socket
SWS-02	Wire set without banana socket
LP-540H	Logic Pulser

SCHOOL PROJECT KIT

	Basic Buzzer Kit	Basic Electromagnet Kit	Basic Lamp Kit
NEW			
Code	SPK-BUZZER	SPK-ELMAG	SPK-LAMP
Kit Includes	9V Battery clip with tails Battery (1 X 9V) Buzzer (6-16VDC) Ripcord (0,2mm ² x 300mm) Latching pushbutton	Battery holder with tails Batteries (2 X AA) Ripcord (0,2mm ² x 300mm) Cut wire (0,5mm ² x 500mm) Latching pushbutton 1 X Nail/Bolt	Battery holder with tails Batteries (2 X AA) LED 8mm (High Bright White) Ripcord (0,2mm ² x 300mm) Latching push button

NEW

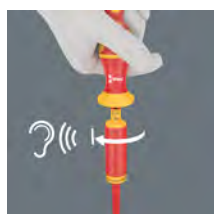
KRAFTFORM KOMPACT VDE TORQUE DRIVER



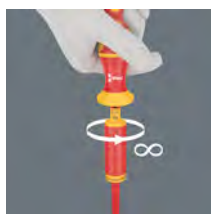
Simple setting of torque by hand



Easy-to-read scale



Distinctly audible excess-load signal



Unlimited torque for loosening

● 9mm Interchangeable Blades



Code	W-7440-VDE	W-7441-VDE	W-7444-VDE
Blade Interface	● 9mm	● 9mm	● 9mm
Torque Range	0.3-1.2Nm	1.2-3.0Nm	1.7-3.5Nm
Setting Increment	0.05Nm	0.1Nm	0.1Nm

Code	Description
5006506001	● 0.6 x 3.5mm
5006507001	● 0.8 x 4mm
5006508001	● 1.0 x 5.5mm
5006512001	⊕ PH1
5006513001	⊕ PH2
5006526001	✱ PZ1
5006527001	✱ PZ2
5006534001	✱ TX10
5006535001	✱ TX15
5006536001	✱ TX20
5006537001	✱ TX25

LASER LEVELS & LINE GENERATORS



Code	LD-SL08	LD-LS10	LD-LS12	LD-LS15
Description	Self levelling laser	Three laser line generator	Laser line generator	Mini laser level
Accuracy	0.5mm per meter	± 1mm per meter	± 2mm per meter	± 2mm per meter
Features	- Adjustable base - Lock system with on/off switch 635nm laser generator	- Self leveling 3 Directional beams	- Ultra compact - Vertical & horizontal level	Magnetic base with mini tripod



Laser Spirit Levels (with horizontal laser beam/cross line)



LS8-1

LS7

Standard

Electronic Inductive



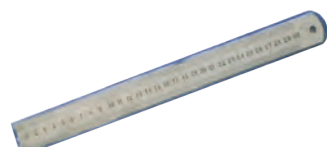
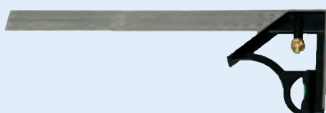
Code	LD-SC2	LD-SL01	LD-LS05JD	LD-LS03S
Description	Rotary laser	Self levelling laser	Angle finder with laser	Laser level with magnetic base
Accuracy	± 5mm per 10 meter	± 1mm per meter	± 1mm per meter	± 2mm per meter
Features	- Auto Rotating beam - Portable, suitable for construction sites. Power: 6VDC	- Professional tripod - c/w carry case - Power: 3VDC	- Analogue angle finder - Includes carry bag	- Lightweight magnetic base - Vertical and horizontal

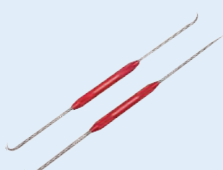
SPIRIT LEVELS

Torpedo Level	Spirit Levels - 3 Vial				Post Level
					
LD-S93B	LD-2007-2B-600	LD-2007-2B-1000	LD-2007-2B-1200	F7708LS6	
Length - 225mm	Length - 600mm	Length - 1000mm	Length - 1200mm	Size: 125 x 75mm	

MEASURING EQUIPMENT

Standard Measuring Tapes		Digital Measuring Tape	Fibre Glass Measuring Tapes	
				- with spike for accuracy 
LD-10NO7X	TM-3M	LD-SX501E	TM-20M	TM-50M
10 meter Auto-rolling steel tape	3 meter Auto-rolling steel tape	Digital display - 5 meter Memory and backlight Dual system measurement (metric/imperial)	20 meter Manual rolling	50 meter Manual rolling

Try & Mitre Square		General Purpose T Square	Stainless Steel Rulers		Combination Square 300mm
					
F7501KH441	F7502KH442	F4569GPTS6	F4570GPTS10	ARK-167103-12	ARK-167103-20
150mm	200mm	600mm	1000mm	12" / 300mm	20" / 500mm
					SB205562
					Adjustable Square with spirit level

Digital Vernier	Digital Outside Micrometer	O-Ring & Scriber Set	Dividers	Chalk Line	
					
SB168101-8	SB168163-1	SS-4-KIT	YG-100	SB256713	SB0765010
0 - 200mm - Large Display	0 - 25mm	Scriber, Hook and Picker	100mm Dividers	30m / 100"	Blue Colour Chalk Powder

MAGNIFYING GLASSES

				
Code	ZD-10D	TLE-1099	TLE-1094	TLE-1104
	- Magnifying Glass with holding spring clips (x2) - Can be locked at a specific angle	- Ø: 90mm - With illumination - Works on 2x1.5V AA batteries (not included)	- Power: 230VAC, 22W (T5) - Size of lens: 5" - Diopter/power: 5 Diopter - Colour: White	- Head Magnifying Glass - Power: 1.8X, 2.3X, 3.7X, 4.8X

TOOL KITS

Soft Back-Pack/Trolley - 14pcs

Code **BM1815** (without Tools)

Code **BM1815A1** (with Tools)

- Screwdrivers:
 - 1) Flat VDE Insul. 3 x 100mm
 - 2) Flat VDE Insul. 4 x 100mm
 - 3) Flat VDE Insul. 5,5 x 125mm
 - 4) Flat VDE Insul. 6,5 x 150mm
 - 5) Phillips VDE Insul. PH0 x 60mm
 - 6) Phillips VDE Insul. PH1 x 80mm
 - 7) Phillips VDE Insul. PH2 x 100mm
- Voltage Tester Flat 3 x 60mm 250V
- Combination Plier VDE Insul. 180mm
- Engineers Hammer
- Pocket Saw
- Cutter Stripper Scissor + Box
- Measuring Tape 3m x 16mm
- Pocket Spirit Level 220mm



Belt Bag - 5pcs

Code **BM18030M1** (with Tools)

Code **BM18030** (pouch only)

- Screwdrivers:
 - 1) FLAT 3 x 100mm
 - 2) FLAT 4 x 100mm
 - 3) PHILLIPS PH1 x 80mm
- Combination Pliers 180mm
- Stainless Steel Shears (**BM1310**)



Kit Code:
BM18030M1

Bag Code:
BM18030



Tool Case with Wheels 72pcs

ALL INCLUDED

Code	BM18403 (Kit)	
Code	BM18400 (Case Only)	
• VDE insulated bi-component tools	• Long Nose Plier: 200mm	• Measuring Tape: 3m
• Screwdrivers:	• Flat Nose Plier: 160mm	• Rewinding Cord Marker (Chalk line)
2 x 75	• Water Pump Plier: 250mm	• Blue Chalk: 250g
4 x 100	• Crimping Tool: isol 0.25 - 6mm ²	• Aluminium Spirit Level: 220mm
5.5 x 125	• Retaining Screwdriver: 4 x 125/PH1x 150	• Adjustable Wrench
6.5 x 150	• Voltage Tester: 220V-250 V, 3.5 x 100	• Allen Wrench Set: 9pcs
8 x 175	• Stainless Steel Scissors	• Panel Key
PH0 x 60	• Cable Shear: 35mm ²	• Double Ended wrench Set: 8pcs
PH1 x 80	• Pocket Saw	• Hammer: 300g
PZ2 x 100	• Cable Stripping Knife: 8 - 28mm	• Chisel: 250g
PZ3 x 150	• Universal Knife	• Puncher Chisel: 250mm
• Nut Drivers: 10-13	• Automatic Stripping Tool: 0.5 - 4mm ²	• HSS and Masonary Drill Set 19pcs
• Combination Plier: 160mm		
• Side Cutter: 160mm		



Tool Case with Wheels 167pcs

NEW

ALL INCLUDED

Code	TK-3167	
VDE Screwdrivers:	• 6 x Precision Screwdrivers	• 1 x Machinist's Hammer 300g
● 6 x 38	• 1 x 1/4" Bit Adaptor	• 1 x Combination Plier 180mm
● 6 x 100	• 1 x Tester 200-250V, CE	• 1 x Half Round Steel File 200mm
● 5 x 100	• 1 x Screwdriver Bit Holder	• 1 x 1/4" Dr. Extension Bar 75mm
⊕ PH2 x 100	• 1 x Long Nose Plier 150mm	• 2 x 1/2" Dr. Extension Bars 125 & 250mm
⊕ PH2 x 38	• 1 x Screwdriver Handle 1/4"	• 2 x 1/2" Spark Plug Sockets 16 & 21mm
⊕ PH1 x 75	• 1 x Caliper 150mm	• 7 x Spanners: 8-10-12-13-14-17-19mm
⊕ PH2 x 100mm	• 1 x Hack Saw 300mm	• 32 x Bit Set with Quick Chuck Bit Holder
• Combination Plier: 180mm	• 1 x 1/4" Dr. Sliding Bar	• 9 x Hex Keys: 1.5-2-2.5-3-4-5-6-8-10mm
• 3 x Saw Blades	• 3 x Carpenter's Pencils	• 9 x Torx Set: T10-15-20-25-27-30-40-45-50
• 1 x Knife 18mm	• 1 x Try Square 250mm	• 1 x 1/2" Dr. 72 Teeth Quick Release Ratchet Handle
• 1 x Level 400mm	• 1 x 1/2" Universal Joint	• 1 x 1/4" Dr. 72 Teeth Quick Release Ratchet Handle
• 1 x Crimping Tool	• 1 x Measuring Tape 3m	• 12 x 1/4" Dr. Sockets: 4-4.5-5-5.5-6-7-8-9-10-11-12-13mm
• 10 x Blades 18mm	• 30 x Terminals in Plastic Box	• 12 x 1/2" Dr. Sockets: 10-11-12-13-14-15-17-18-19-20-22-24
• 1 x 3-Way Adaptor	• 1 x Water Pump Plier 250mm	• 1 x Adjustable Wrench - MAX working open distance 29mm



TOOL KITS

Tool Kit with spot-light and red/amber blinking light c/w car plug. Uses 4 x size 'C' batteries (not included)



Code PL-8985
13 Pieces

Code SB210120
39 Pieces

Code SB210123
48 Pieces



Code SB210112
63 Pieces

Code SB003017
10 Pieces

Telecoms Tool Kit



Kit Includes:
• RJ11/45 Crimping Tool
• RJ11, 12, 45 connectors
• Network cable tester
• Cable stripper
• Impact insertion tool

Code ZD-922B

ELECTRONIC TOOL KITS

Nylon Tool Bag



Code ZD-963

Code ZD-902

Code ZD-906

Code ZD-907

MECHANICAL TOOLBOX

85 Piece Kit in 5 Tray Cantilever Box

Code	TOOT2631
• 1 x ½" Sliding T Bar	• 1 x 10" Water Pump Pliers
• 18 pc ½" Sockets : 8, 10, 11, 12, 13, 14, 15, 16, 17, 18, 19, 20, 21, 22, 24, 27, 30, 32mm	• 1 x 10" Vice Grip
• 1pc Universal Joint ½"	• 1 x Tape Measure 5m x 19mm
• 1pc Extension bar 125mm	• 1 x Combination Plier 180mm
• 1pc ½" H handle	• 1 x Side Cutter 160mm
• 1pc Ratchet ½"	• 1 x Long Nose Plier 160mm
• 7 Pc Combination Screwdriver: Slotted: 3.2*75mm, 4*100mm, 6x100mm, 8x150mm Phillips: PH1*75mm, PH2*100mm, PH3*150mm	• 2 x Spark Plug Sockets:16,21mm
• 12 Pc Combination Spanner: 8,10,11,12,13,14,15,16, 17,18,19,22mm	• 1 x Trimming Knife + 5 Pc Blades
	• 1 x 9Pc Allen Key Set : 1.5, 2, 2.5, 3, 4, 5, 6, 8, 10mm
	• 1 x 9Pc Torx Key Set: T10, 15, 20, 25, 27, 30, 40, 45, 50
	• 10pc BITS: SL3, SL4, SL5, PZ1, PZ2, PH1, PH2, PH3, T10, T15 + Handle





1000V

Hardened
& TemperedChrome
VanadiumMagnetic
Tip

TOOL KITS 1000V

	1000V 10 Pc Electrician Tool Set + Carry Bag (VDE)	1000V 12 Pc Electrician Tool Set + Carry Bag (VDE)	1000V 31 Pc Electricians Back Pack (VDE)	13pc Screwdriver Set
		 Multimeter not included		 NEW All in one driver set with clip on handle
Code	V10-010	V10-012	BT-032	SB0607243
Description	• 5Pcs Electrician Screwdrivers VDE 1000V: - PH0 x 60, PH1 x 80, PH2 x 100 - Slotted 4 x 100mm, 6.5 x 150mm • 1Pc Long Nose Plier 150mm VDE 1000V • 1Pc Side Cutter 150mm VDE 1000V • 1Pc Wire Stripper 150mm VDE 1000V • 1 Roll Insulation Tape 10m • 1Pc Voltage Tester / Screw Driver 140mm	• 5Pcs Electrician Screwdrivers VDE 1000V: - PH0x60, PH1x80, PH2x100 - Slotted 4x100mm, 5.5x125mm • 1Pc Long Nose Plier 150mm VDE 1000V • 1Pc Side Cutter 150mm VDE 1000V • 1Pc Wire Stripper 150mm VDE 1000V • 1Pc Stripping Tool 200mm • 1Pc 7 LED Head light • 1 Roll Insulation Tape 10m • 1Pc Voltage Tester / Screw Driver • Carry Bag 400 x 230 x 285mm	• 150mm Cable Cutter VDE 1000V • 160mm Wire Stripper VDE 1000V • 160mm Long Nose Pliers VDE 1000V • 200mm Combination Plier VDE 1000V • 180mm HD Side Cutter VDE 1000V • 7Pc Screwdriver Set VDE 1000V • 250mm Groove Joint Plier VDE 1000V • 7Pcs Allen Key Set • 300mm Groove Joint Plier • 220mm HD uninsulated crimper • Headlight 7 x White LED 3/stage • SW8 Socket Wrench Screwdriver • 200mm Insulated Shifting Spanner • WAK2 Utility Knife • 5m Measuring Tape • 250mm Vice Grips • 150mm Mini Hacksaw • 300mm BP Ballpen Hammer	• 4 x Slotted Screwdrivers: - 1.2 x 6.5 x 100mm - 1 x 5.5 x 100mm - 0.8 x 4 x 100mm - 0.5 x 3 x 100mm • 2 x Phillips Screwdrivers: - PH2 x 100mm - PH1 x 80mm • 2 x Pozidrive Screwdrivers: - PZ2 x 100mm - PZ1 x 80mm • 1 x Single Pole Voltage Tester • 1 x Clip-on Screwdriver handle

NEW

1000V TOOL KITS

Wera Zyklop VDE Ratchet Set with 3/8" Drive

Individually tested as per IEC60900 at 10,000V for safe working at the approved voltage of 1.000V

- Slim design to enable work in confined spaces.
- Fine tooth mechanism with 80 teeth for a return angle of only 45°.
- The ball lock ensures sockets and accessories are securely fitted, providing increased safety during operation.



VDE Socket Set c/w Ratchet

Code	5004970001
Description	17Pcs VDE Insulated Ratchet Set - 3/8" - 1 x Ratchet - 1 x Short Extension - 1 x Long Extension - Sockets: 6, 7, 8, 9, 10, 11, 12, 13, 14, 15, 16, 17, 18, 19

Insulated Reversible Ratchet

Code	5004966001
Description	3/8" x 222mm Ratchet

Insulated Long Extension

Code	5004965001
Description	3/8" x 166mm

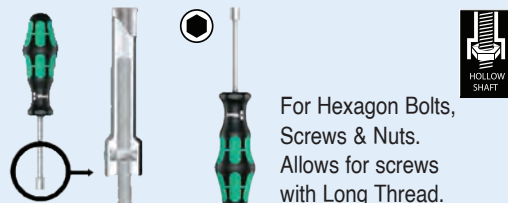
Insulated Short Extension

Code	5004964001
Description	3/8" x 91mm

Individual VDE Insulated Sockets

Code	Description
5004950001	6mm x 46mm 3/8" Socket
5004951001	7mm x 46mm 3/8" Socket
5004952001	8mm x 46mm 3/8" Socket
5004953001	9mm x 46mm 3/8" Socket
5004954001	10mm x 46mm 3/8" Socket
5004955001	11mm x 46mm 3/8" Socket
5004956001	12mm x 46mm 3/8" Socket
5004957001	13mm x 46mm 3/8" Socket
5004958001	14mm x 46mm 3/8" Socket
5004959001	15mm x 46mm 3/8" Socket
5004960001	16mm x 46mm 3/8" Socket
5004961001	17mm x 46mm 3/8" Socket
5004962001	18mm x 46mm 3/8" Socket
5004963001	19mm x 46mm 3/8" Socket

HAND TOOLS

Tool - Check Plus		BlackLaser Multicolour L-Key Set Metric		Kraftform Kompakt VDE 60i				
 813 Handle 1/4" Adapter 889/4/1 K Universal Bit Holder 8001A Mini Ratchet				 VDE TOOL KRAFTFORM ERGONOMIS ANTI ROLL-OFF EXTRA SLIM				
W-TC-PLUS/37		W-950SPKL/9		W-KK-VDE/16				
8790 HMA Sockets 1 x 5.5, 1 x 6.0, 1 x 7.0, 1 x 8.0, 1 x 10.0, 1 x 12.0, 1 x 13.0 851/1 TZ PH : 2 x PH1, 3 x PH2, 1 x PH3 855/1 TZ PZ : 1 x PZ1, 3 x PZ2, 1 x PZ3 867/1 TZ Torx: 1 x Tx10, 1 x Tx15, 1 x Tx20, 1 x T25, 1 x Tx30, 1 x Tx40 867/1 TZ Torx BO: 1 x Tx10, 1 x Tx15, 1 x Tx20, 1 x T25, 1 x Tx30 840/1 Z HexPlus: 1 x 3.0, 1 x 4.0, 1 x 5.0, 1 x 6.0, 1 x 8.0 800/1 TZ Slotted: 1 x 1.0 x 5.5		Colour coded sleeves for easy recognition, HEX-Plus, Ball-end Hexagon on Long arm. 1 x 1.5 x 90 1 x 2.0 x 101 1 x 2.5 x 112 1 x 3.0 x 123 1 x 4.0 x 137 1 x 5.0 x 154 1 x 6.0 x 172 1 x 8.0 x 195 1 x 10.0 x 224		16pc set in Folding Textile Pouch Interchangeable Blades 154mm long 1 x PH1, 1 x PH2 1 x PZ1, 1 x PZ2 1 x PZ/S1, PZ/S2 1 x TX10, 1 x TX15, 1 x TX20, 1 x TX25 1 x 0.4 x 2.5, 1 x 0.6 x 3.5, 1 x 0.8 x 4.0, 1 x 1.0 x 5.5 1 x 0.5 x 3.0 x 70 Voltage Tester				
Kraftform 6Pcs Set		Kraftform Classic 6Pcs Set		Kraftform 8Pcs Set		Kraftform Classic 8Pcs Set		
								
W-10001/6		W-1734/6		W-10008/8		W-1734/8		
0.60 x 3.5 x 75 0.80 x 4.0 x 100 1.20 x 6.5 x 125 1.20 x 8.0 x 150 - PH No.1 x 80 - PH No.2 x 100		0.60 x 3.5 x 75 0.80 x 4.0 x 100 1.20 x 6.5 x 125 1.20 x 8.0 x 150 - PH No.1 x 80 - PH No.2 x 100		2.5 x 75 3.0 x 80 4.0 x 100 5.5 x 125 6.5 x 150 8.0 x 175 - PH No.1 x 80 - PH No.2 x 100		2.5 x 75 3 x 80 4 x 100 5.5 x 125 6.5 x 150 8 x 175 - PH No.1 x 80 - PH No.2 x 100		
Kraftform 11Pcs Set		VDE Kraftform Comfort 6Pcs Set		Kraftform Plus 395 Hollow Shaft Nutdriver				
 For TORX Screws				 For Hexagon Bolts, Screws & Nuts. Allows for screws with Long Thread.				
W-6334/11		W-10621/6		Code				Nut/Screw Size
- T6 - T7 - T8 - T9 - T10 - T15	- T20 - T25 - T27 - T30 - T40	0.4 x 2.50 x 80 0.60 x 3.5 x 100 0.80 x 4.0 x 100 1.00 x 5.5 x 125 1.20 x 6.5 x 150 1.60 x 8.00 x 200	- PH No.1 x 80 - PH No.2 x 100	W-395-HO-5.5	5.5mm	70mm	98mm	M3
				W-395-HO-7	7mm	80mm	105mm	M4
				W-395-HO-8	8mm	80mm	105mm	M5
				W-395-HO-10	10mm	80mm	105mm	M6
				W-395-HO-13	13mm	90mm	112mm	M8

HAND TOOLS 1000V



Slotted Electrical Screwdrivers 1000V (VDE)

Code		mm	mm	Code		mm	mm
VJF-258-1		2.5	80 160	VJF-258-5		6.5	150 258
VJF-258-2		3.5	75 155	VJF-258-6		3.0	100 197
VJF-258-3		4.0	100 197	VJF-258-7		8.0	150 267
VJF-258-4		5.5	125 233	VJF-258-8		8.0	200 317

Philips Electrical Screwdrivers 1000V (VDE)

Code		size	mm	Code		size	mm
VJF-258-9		0	75 155	VJF-258-12		2	100 197
VJF-258-10		1	80 177	VJF-258-13		3	150 258
VJF-258-11		1	100 197				

Pozidrive Electrical Screwdrivers 1000V (VDE)

Code		size	mm	Code		size	mm
VJF-258-14		0	75 155	VJF-258-17		2	100 197
VJF-258-15		1	80 177	VJF-258-18		3	150 258
VJF-258-16		1	100 197				

Insulated Screwdriver Sets 1000V (VDE)

12 Piece VDE Tool Set

Code		mm	mm		size	mm	mm
V10-4005		3.5	75 155		0	75 155	
		4.0	100 197		1	80 177	
		5.5	125 233		2	100 197	

Kit Includes

VDE Wire Stripper
VDE Long Nose pliers
VDE diagonal Cutter
VDE Combination Pliers
(150mm each)

Screwdriver - Includes Testing Function 100-250VAC. c/w 2 x Testers, 100-250VAC

6 Piece Kit

Code		mm		size	mm	mm
VFL-2105		2.5			75 140	
		3.5			75 160	
		4			100 200	
		5.5			125 236	
			1		80 180	
			2		100 200	

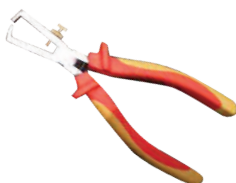
8 Piece Kit

Code		mm		size	mm	mm
VFL-2234		3.5			75 160	
		4			100 200	
		5.5			125 236	
		6.5			150 258	
			0		75 160	
			1		80 180	
			2		100 200	

Screwdriver - Includes Testing Function 100-250VAC
c/w 1 x Tester, 100-250VAC, 140mm

Screwdriver - Includes Testing Function 100-250VAC
c/w 1 x Tester, 100-250VAC, 140mm

	Combination Pliers	Long Nose Pliers	Bent Nose Pliers	Side Cutters
• 1000V VDE • Chrome Vanadium Steel • Micro Finish • Bi-material TPR Handle				
Code (150mm) 6"	V10-2105	V10-2108	V10-2113	V10-2110
Code (180mm) 7"	V10-2106	–	–	V10-2115
Code (200mm) 8"	V10-2107	V10-2109	V10-2114	–

	Wire Stripper	Roundnose Pliers	Flatnose Pliers	Waterpump Pliers	Insulated Linesman Pliers
					
Code (150mm) 6"	V10-2112	V10-2118	V10-2117	–	1000V - with integrated crimper
Code (250mm) 9"	–	–	–	V10-2116	10-2207 (250mm)

HAND TOOLS

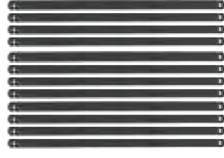
Hammers & Mallets

Claw Hammer	Ball Hammer	Rubber Mallet
		
566gram SB203016	440gram SB203162-16	440gram SB203541-16
	672gram SB203162-24	672gram SB203541-24
Fully polished with plastic coated handle	Fully polished with plastic handle	With fibreglass handle

Two Way Mallet	Stone Hammer	Cold Chisels			
					
35mm Ø SB203591-35	1kg ARK-146301-1	B15013	B25025	ARK-255213	
45mm Ø SB203591-45	2kg ARK-146301-2				
With fibreglass handle	Drop forged	13 x 150mm	25 x 150mm	19 x 200mm, with Hand Protector	
Wrecking Bar	Tommy Bar	Center Punch		Punch Sets	
					
B450WB	B600WB	B450TB	B600TB	3210030K	3210050K
450 x 19mm	600 x 19mm	450 x 19mm	600 x 19mm	3 x 120mm	5 x 120mm
				9pcs, Numbers	27pcs, Letters

Tubular Hacksaws

3Pc File Set	Oval Tubular Hacksaw Frame	Square Tubular Hacksaw Frame	Spare Hacksaw Blades
			
SB208863	SB208101	SB208172	SB208311
200mm (8") flat, round, half round	With aluminium handle 250-300mm	With aluminium handle and soft grip 300mm (12")	12 Pieces 300mm (12")

Junior Hacksaw	Spare Junior Hacksaw Blades	Cable Tie Tensioners	
			
ARK-243111-6	TOOH860	HS-600A	TG-100
All Aluminium 6"	12 Pieces 6" Blades	Cable Tie Gun for tensioning and auto cutting for ties 2.5-4.8mm	Cable Tie Gun for tensioning and manual cutting for ties 2.5-4.8mm

Suction Lifters			Plastic Tape Dispenser	Silicon/Caulking Gun
				
BM1770	BM1760		HL5041 For use with packaging tape	SB257803 Rubber grip to prevent slipping
	BM1770			
	BM1761			
Cup Size: 120mm Ø				

UTILITY KNIVES & SETS

Heavy Duty Blades	Folding Knife	Utility Knife	3pc Utility Knife Set	Snap-off Knife	Snap-off Blades
					
F4030TK1B/H5 (5Pcs)	F4004TK7	SB215009	SB215162	F4001TK5 (18mm)	F7748TK6B (18mm)
F4036TK1B/H20 (20Pcs)	With Belt Clip & Blade Included	Zinc Alloy, 3 Blades in Handle, Retractable	Large Snap-off Knife, Small Snap-off Knife, Heavy Duty Utility Knife	SB215120 (9mm)	SB215153 (9mm)
F4031TK1B/H100 (100Pcs)		SB215152 (10Pc)		Adjustable Utility Knife with Snap off Blades	Spare Blades
Made in Sheffield, England					

HAND TOOLS

	Shifting Spanners	Water Pump (Gas) Pliers	Vice Grip (Curved Jaw)
			
Code (125mm) 5"	–	–	HT10-4026
Code (180mm) 7"	–	–	HT10-4027
Code (200mm) 8"	HT12-1062	HT10-5531	–
Code (254mm) 10"	HT12-1063	–	HT10-4028
Code (300mm) 12"	HT12-1064	HT10-5534	–

Mini Pliers • Bi-Material TPR Handle (soft rubber)

	Electronic Side Cutter	Long Nose	Bent Nose	Flat Nose	Round Nose
					
Code	HT10-3069	HT10-3061	HT10-3062	HT10-3063	HT10-3064
Desc.	130mm	128mm	128mm	115mm	101mm

	Diagonal Cut	End Cut	Linesman	Needle Nose
				
Code	HT10-3065	HT10-3066	HT10-3067	HT10-3068
Desc.	101mm	101mm	115mm	153mm

HAND TOOLS

Spanners • Material: Chrome Vanadium Steel

Combination Spanner				Double Open Ended Spanner			
							
Size mm	Code	Size mm	Code	Size mm	Code	Size mm	Code
6	HT12-4206	19	HT12-4219	6 – 7	HT12-6206	20 – 22	HT12-6220
7	HT12-4207	20	HT12-4220	8 – 9	HT12-6208	21 – 23	HT12-6221
8	HT12-4208	21	HT12-4221	10 – 11	HT12-6210	22 – 24	HT12-6222
9	HT12-4209	22	HT12-4222	12 – 13	HT12-6212	25 – 28	HT12-6225
10	HT12-4210	23	HT12-4223	14 – 15	HT12-6214	27 – 29	HT12-6227
11	HT12-4211	24	HT12-4224	16 – 17	HT12-6216	30 – 32	HT12-6230
12	HT12-4212	25	HT12-4225	18 – 19	HT12-6218		
13	HT12-4213	26	HT12-4226	Pipe Wrench 9"			Screwdriver Bit
14	HT12-4214	27	HT12-4227	Code	SB137803-9	HSB-PH2/5MM	
15	HT12-4215	28	HT12-4228				
16	HT12-4216	29	HT12-4229				1/4"x PH2x50mm
17	HT12-4217	30	HT12-4230				
18	HT12-4218	32	HT12-4232				

Spanner & Allen (Hex) Key Sets

8pc Aluminium Frame Folding Tool		30Pc		9Pc	Ball Point
 Metric Type 1.5, 2, 2.5, 3, 4, 5, 6, 8		 Torx T9,T10,T15,T20,T25,T27,T30,T40		0.028-3/8", 0.7-10mm Flat End	1.5-10mm, Chrome Plated
					
FLH-0057		FLH-0056		SB202403	SB202407
				SB202403	SB233157

Ratchet Combination Wrench		9Pc Ratchet Wrench Set		9Pc Spanner Set	6Pc Spanner Set	7Pc Spanner Set
Code	Size mm	Code	SB133249	SB202102	SB202106	TSS-7-8/19
	SB133211-8	8				
	SB133211-10	10				
	SB133211-13	13				
	SB133211-15	15				
	SB133211-17	17				
72 Tooth ratchet needs only 5° of movement to turn a fastener		72 Tooth ratchet needs only 5° of movement to turn a fastener 8, 10, 11, 12, 13, 14, 16, 17, 19mm		9Pc Combination Spanner Set 7, 8, 10, 11, 12, 13, 16, 17, 19mm	6Pc Double Open Ended Spanner Set 6+7, 8+9, 10+11, 12+13, 14+15, 16+17mm	7Pc Piece Tube Spanner Set 8x9 10x11 12x13, 14x15, 16x17, 18x19mm

Metric Socket Wrench Kit	Screwdriver Kits		31 Piece Screwdriver Bit Set	Nutdriver Kit - 7 Pieces
				
22MRA-CV-S	SB156237	CT-2016	SB157243	SB154115
Kit Includes: • 16pcs 1/2" Dr. Sockets: 10-19, 21-24, 27, 30, 32mm • 2Pcs 1/2" Dr. extensions 3" x 5" • 1Pcs 1/2" Dr. x 3/8" Adapter • 1Pcs 1/2" Dr. Universal joint • 1Pcs 1/2" Dr. (F) Ratchet handle	16 Piece precision screwdriver set	Screw driver set	Phillips, Flat, Torx and Hex	Sizes: 5, 6, 8, 10, 11, 12, 13 Length: 245mm

HAND RIVETERS



- High grade aluminium die cast housing with drop-forged carbon steel upper handle.
- Steel and jaw case are made of chromed, hardened steel plate.

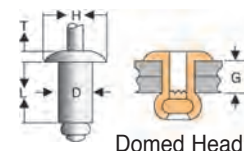
- Carbon steel forged housing and handle with powder coated surface.
- Jaw and jaw case are made of chromed, heat treated steel.
- Designed for industrial use.

- Lever design reduces physical strength for all rivet sizes.
- The three-jaw design can provide better performance with only a change of nose nozzle.

Code	Length (mm)	Rivet Setting Capacity
HR705	265	Up to 4.8mm (3/16") for all materials
HR702	255	Up to 4.0mm (5/32") for all materials and 4.8mm (3/16") for aluminium
HR710	300 Closed/810 Open	Up to 6.4mm (1/4") for all materials
HR720	430	Up to 4.8mm (3/16") for all materials

BLIND RIVETS

Aluminium Rivets with Steel Mandrels



Domed Head

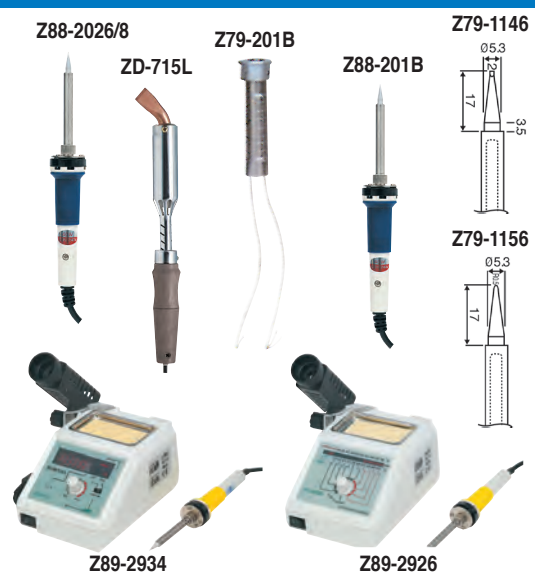
Code	Length	Grip Range	Diameter	Hole Size (mm)	Head Dia	Head Thickness	Standard Strength N. (min.)	
	L	G			H	T	Shear	Tensile
AS3.2-8-*	8	3-5	3.2mm	3.3-3.4mm	5.8-6.5	1.2	535	650
AS3.2-10-*	10	5-7						
AS3.2-12-*	12	7-9						
AS4-6-*	6	1.5-2.5	4.0mm	4.1-4.2mm	7.0-8.0	1.5	850	1020
AS4-8-*	8	2.5-4.5						
AS4-10-*	10	4.5-6.5						
AS4-12-*	12	6.5-8.5	4.8mm	4.9-5.0mm	8.5-9.5	1.6	1160	1420
AS4-14-†	14	8.5-10.5						
AS4-18-†	18	12.5-14.5						
AS4.8-10-†	10	4-6						
AS4.8-12-†	12	6-8						
AS4.8-14-†	14	8-10						
AS4.8-18-†	18	12-14						

Add quantity to code: * 1000 (box packed), 100 (packed in polybag for retail). † 500 (box packed), 100 (packed in polybag for retail).

DIN RAIL CUTTER

	Guillotine	Dies		Support Guide	
Code	BM2691	BM269112	BM269113	BM26912	BM269122
	Cutter & puncher for rails EN 50035, EN 50022, EN 50045. Designed for extremely rapid, precise and safe cutting & punching of standardised metal frame profiles.	For rail DIN35(DR35) 7.5mm 	For rail DIN35(NS35/15) 15mm 	Support Guide for BM2691	Support Guide for rail 7.5 & 15mm

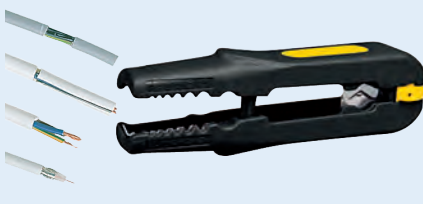
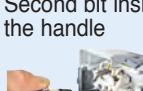
SOLDERING IRONS

			Soldering Irons			Solder Spools SN60% PB40%  500g rolls	
			Code	Description	Spare Tips		
			Z88-2026	30W mains Soldering Iron	Z79-2120		
			Z88-2028	50W mains Soldering Iron	Z79-2320		
			ZD-715L-100W	100W mains Soldering Iron	Z79-8504		
			ZD-715L-200W	200W mains Soldering Iron	Z79-8506		
			Z89-2934	48W station type Soldering Iron 160°C-480°C digital Spare Element Z79-201B	Z79-1146 Z79-1156		
			Z89-2926	48W station type Soldering Iron 150°C-420°C Spare Element Z79-201B	Z79-1146 Z79-1156		
			Z78-201B	Spare Heater Element for Iron Z89-2934 & Z89-2926	—		
			Z88-201B	Spare Iron for Z89-2934 & Z89-2926	—		
						SSA08500 Ø0.7mm	
						SSA10500 Ø0.90mm	
						SSA12500 Ø1.25mm	
						SSA20000 Ø2.0mm	
					 Solder pot lead free Adjustable Temp: 200-600°C		 Solder pot lead free Adjustable Temp: 200-600°C
Code	SH-827	SH-814B	SH-60	TAURUS-107	TAURUS-558		
	Solder Sucker	50W Soldering Iron stand	50W Electric Solder Sucker	Power: 500W Pot dimensions: 100 x 70 x 45mm Capacity: 2.3kg	Power: 250W Pot dimensions: 55 x 55 x 45mm Capacity 1.2kg		
	T-1		SH-60H				
	Spare Tip		Spare element				

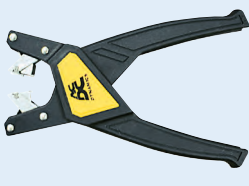
GAS POWERED HEAT TOOLS

All models use Butane gas																																
Code	ES-720TH	ES-650SI	Kit includes: ES-650KB																													
Gas Capacity	19ml	8ml	• Cordless butane powered soldering iron																													
Operating Time	Up to 90min	Up to 80min	• Heat blower tip																													
Temperature	Up to 1300°C	± 210 - 400°C	• Deflector tip																													
Features	Portable heavy-duty torch	Cordless butane powered soldering iron/heat tool	• 3.2mm Chisel tip																													
Size	210 x 60 x 135mm	180 x Ø24mm (with cap)	• 4.5mm Diagonal tip																													
			• Hot knife tip																													
Accessories		<table><tr><th>Code</th><th>Description</th></tr><tr><td>L-016</td><td>Conical 1.6mm</td></tr><tr><td>L-024</td><td>Conical 2.4mm</td></tr><tr><td>L-124</td><td>Chisel 2.4mm</td></tr></table>	Code	Description	L-016	Conical 1.6mm	L-024	Conical 2.4mm	L-124	Chisel 2.4mm	<table><tr><th>Code</th><th>Description</th></tr><tr><td>L-132</td><td>Chisel 3.2mm</td></tr><tr><td>L-1105</td><td>Chisel 10.5mm</td></tr><tr><td>L-230</td><td>Diagonal 3.0mm</td></tr><tr><td>A-BR</td><td>Burning room</td></tr></table>	Code	Description	L-132	Chisel 3.2mm	L-1105	Chisel 10.5mm	L-230	Diagonal 3.0mm	A-BR	Burning room	<table><tr><th>Code</th><th>Description</th></tr><tr><td>L-310</td><td>Hot knife</td></tr><tr><td>L-311</td><td>Hot knife</td></tr><tr><td>L-510</td><td>Heat blower</td></tr><tr><td>L-610</td><td>Heat deflector</td></tr></table>	Code	Description	L-310	Hot knife	L-311	Hot knife	L-510	Heat blower	L-610	Heat deflector
Code	Description																															
L-016	Conical 1.6mm																															
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L-610	Heat deflector																															
Accessories included with ES-720KB																																

CABLE & WIRE STRIPPING TOOLS

						
Code	STRIP-2		STRIP-3		STRIP-400	
	2-level stripping of all coaxial cables of 4.8 - 7.5mm outer Ø Performance Range: Coaxial 4.8 - 7.5mm Ø Cabletyre 4 x 0.75mm ² Flexible cables 1.5mm ² - 16mm ²		As per STRIP-2 with built-in side cutter		This tool allows circular and horizontal stripping and needs no adjustment of cutting depth. Range: Flex Cables: 4 - 13mm Ø. Solid Conductors: 0.5 - 6mm ² . Multi-level of coaxial cables: 4 to 8 mm Ø. Built in side-cutter.	
			 FLAT		 ROUND	
Code	STRIP-5		STRIP-7-FLAT	STRIP-7	STRIP-300 (Duo - strip/crimp)	
	- Automatic wire stripper for all common stranded and solid conductors of 0.2 - 6.0 mm² - Adjustable length stop of 5 - 12mm (removable if required) - Easily accessible built-in side cutter for max 2mm Ø		Flat Cables: Cable and wire stripping of two or three core flat cables with PVC insulation from 0.75mm ² to 4.0mm. Round Cables: Cable and wire stripping of flexible cables in a range of 0.5mm ² to 16.0mm ² . Solid conductors from 0.5mm ² to 10mm ² . Spare Blade: STRIP7-BLADE (Round)		Three tools in one: Wire Stripper for inner insulations from 0.5 - 6mm ² ; Crimping of bootlace terminals with two crimping ranges: 0.75mm ² - 1.5mm ² and 2.5mm ² - 6.0mm ² as well as built-in side cutter for max. 6.0mm ²	
		 NEW				 Spare Blade STRIP4-BLADE
Code	STRIP-SOLARMINI	STRIP-5-SOLAR-PRO	STRIP-7-SOLAR	STRIP4-28H	STRIP-428V	STRIP-428
	- Stripping depth stop - Compact wire stripper designed for the solar industry - Suits 1.5-Ø6mm - Side blade cutter	Strip all common solar cables from 1.5-25mm ensures excellent precision & accuracy, the blade of the stripper easily removes multi-layer rubberised insulation. Integrated side cutter suitable for copper & aluminium conductors up to 3mm diameter	An automatic wire stripper for all common round cables used in solar engineering. Precise adjustment allows easy removal of multiple insulation layers of solar cables from 1.5-6mm ² .	Both circular and longitudinal cuts are possible due to a self-turning strip-ping blade. Accurate, fast and safe stripping of all common round cables of 4 - 28mmØ.	Same as STRIP4-28H, plus: Cable connections, sockets, fuses, circuitry, connecting boxes, lamps and fairy lights etc. can be safely tested for AC voltage by an integral electric potential field sensor. No current flow is required.	Same as STRIP4-28H, plus: This is the first cable stripper of its kind which has an additional hook blade that can be retracted into the tool & be fixed in both positions.
						
	- Cable stripper for accurate fast and safe stripping of common round cables 4 - 28mmØ. - Variable adjustment of cutting depth with adjusting wheel with no damage to the inner conductors - Automatic adjustment for circular or longitudinal cuts through turnable blade - Additional function: stripping of conductors for all common flexible and solid conductors 0.5mm² - 6.0mm²		• 12 Piece retail counter display stand c/w 12 pieces of STRIP-S428-M		 Round Cable Stripper For all round cables of 8 - 13mm (e.g. 3 x 1.5mm ² up to 5 x 2.5mm ²)  Stripper For all common stranded and solid conductors of 0.5mm ² to 6.0mm ²  Coax Stripper Two- or three-level stripping of all common coaxial cables fo 4.8 to 7.5 mm outer Ø.  Built in side cutter For PVC-insulated round cables of max 9mm ²	
Code	STRIP-S428-M		STRIP-S428/12-M		STRIP-500	
					 Second bit inside the handle  Voltage tester 110 - 250V  Two turnable bits 1.PZ1 ⊗ 3.5 x 0.6mm ⊗ 2.PZ2 ⊗ 4.0 x 0.8mm ⊗	

CABLE & WIRE STRIPPING TOOLS

 Professional Cable Stripping Starter Kit Code PRO-STARTER All standard cable types can easily be stripped and dismantled using the tools in the kit STRIP-428: The cable stripper allows precise, quick and safe stripping of all standard round cables with a diameter between 4 and 28 millimeters. Comes with retractable hook blade. STRIP-5: Automatic Wire Stripper. Precise work with adjustable length stop (5 - 12mm). Side cutter up to 2mm diameter. STRIP-13: For all standard round cables diameter 8 - 13mm. Flush stripping, even in hard to reach places. STRIP-2: Two-level stripping of all common coaxial cables.				
 SB201422 Wire Stripper for cables 0.5-4mm²	 SB201426 Wire Stripper for cables 6-16mm² 0.75-6mm²	 SB201009 For wire 0.5-6.0mm²	 LY-700A For wire 0.5-2.0mm² LY-700B For wire 1.0-3.2mm²	 LY-700D For wire 0.5-6.0mm²

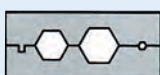
CRIMPING TOOL KITS

YS-03CO-1A 	Code YS-03CO-1A For boot-lace insulated ferrules 300pcs (0.5-4.0mm²) c/w Tool type YS-03CO	Code HT-914A Data Socket Insertion Tool For data socket use on 66 & 110/88 type connectors	
Y-190 	151pcs Mixed Insulated Lugs c/w Tool type KH-502 Y-190	Multipurpose Tool 	KH-502
Y-202 	120pcs Mixed Insulated Lugs Y-202	45pcs Mixed Insulated Lugs c/w Terminal Crimp and Wire Stripper SB201437	
Y-200 	300pcs Mixed Insulated Lugs Y-200		

BOOT LACE / LUG KITS

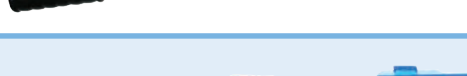
Kit for Insulated Lugs		Kit for Boot-Lace Ferrules	
			
Code	BM00411	Code	BM00412
Kit Includes Tool: BM534 Red 1.5mm² Insulated : 4mm Ring - 100pcs; 4mm fork - 100pcs; 5mm Ring - 100pcs; 10mm Pin - 100pcs; Ferrules - 100pcs; 6.3mm female disc. - 100pcs; 6.3mm male disc. - 100pcs Yellow 4-6mm² 5mm Ring - 50pcs; Ferrules - 50pcs; 6mm Ring - 50pcs		Kit Includes Tool: BM541 Bootlace Ferrules Single: 0.75mm² white 500pcs; 1mm² yellow 500pcs; 1.5mm² red 500pcs; 2.5mm² blue 250pcs; 4mm² grey 200pcs; 6mm² black 100pcs; 10mm² ivory 50pcs; 16mm² green 50pcs Bootlace Ferrules Double: 2 x 0.75mm² white 200pcs; 2 x 1mm² yellow 200pcs; 2 x 1.5mm² red 200pcs; 2 x 2.5mm² blue 100pcs; 2 x 4mm² grey 100pcs; 2 x 6mm² green 50pcs	

CRIMPING TOOLS

	Professional Tools Code BM Type	Description	Economy Tools Code	
 	BM534	For insulated lugs (red, blue, yellow)	LY-03C	
 	BM537 (0.5-4.0mm ²)	For insulated boot-lace ferrules	LY-04WF (0.5-6.0mm ²)	
 	BM539	For insulated boot-lace ferrules (6-16mm ²) For insulated boot-lace ferrules (10-35mm ²)	LY-16WF LY-35WF	
 	BM531	For non insulated auto lugs (0.5-6mm ²)	LY-03B	
 	BM535 (0.5 - 10mm ²)	For non insulated lugs	KH-16 (1.25-16mm ²) KH-22 (5.5-25mm ²)	
 	-	Hex hand crimp for non insulated lugs	HX-16 (6-16mm ²) HX-26B (6-25mm ²) HS-05H (1.5-25mm ²)	
 	BM543	For coaxial connectors for cable RG58-59-62-6	HS-02H	
	BM53816 (0.08 - 16mm ²)	For insulated boot-lace ferrules	HSC8-6-4 (0.25 - 6mm ²) HSC8-6-6 (0.25 - 6mm ²) HSC8-16-4 (4 - 16mm ²)	
	BM549	Crimping tool for RJ11, RJ12, RJ45	ZD-501006	

	Code	Description		Wago Bootlace Crimper
	BM524	Uninsulated Terminals 0.5-10mm ²		Code
	BM525	Uninsulated Terminals 2.5-16mm ²		Description
	BM526	Uninsulated Terminals 6-35mm ²		206-1204
	BM527	Bootlace Terminals 25 - 35 - 50mm ²		206-1216
	BM523	Uninsulated terminals 10-120mm ²		206-1225
				0.25-4.0mm²
				6-16mm²
				10-25mm²

Hand Crimping Tools - For uninsulated lugs

	CT-80	Crimping tool with movable & revolving dies 8-80mm ²
	HX-50B	Hex crimping tool with movable & revolving dies 6-50mm ²
	HX-150BX	Hex crimping tool with movable & revolving dies 25 - 150mm ²
	HX-245B	Hex crimping tool with movable & revolving dies 70-240mm ²
	MT-120	Heavy Duty Point Crimping Tool 16 - 95mm ²

Crimping Tool Kit - with exchangeable dies

	
BM5345	ZD-922A
Code	BM5345
	Complete Kit in a carry case for the following applications:
	• Insulated Terminals 0.25-6mm ²
	• Boot Lace Terminals 0.5-4mm ²
	• Boot Lace Terminals 6-16mm ²
	• Barrel Open Terminals 0.5-6mm ²
	• Uninsulated Terminals 0.5-10mm ²
	Code
	ZD-922A
	Complete Kit in a carry case for the following applications:
	• Insulated Terminals 0.25-6mm ²
	• Boot Lace Terminals 0.5-16mm ²
	• Crimping of uninsulated terminals up to 10mm ²
	• Coaxial Crimping

BM HYDRAULIC TOOLS

©ACDC Dynamics

BM HYDRAULIC PUNCHING / CUTTING TOOLS

	Hand Hydraulic Hole Punch	Hydraulic Foot Pump	Cutting Headstock - Guillotine Cutter		Headstock for Punches
					
Code	BM185	BM1600	BM288	BM289	BM265
	- Guaranteed 700 bar working Pressure - Supplied with Carry Case - Max Punch Size: Round 72mmØ Square 68 x 68mm - See page 521 for Punching Dies	- Quick & Easy Die location with high and low pressure valves, allows for professional finish, due to foot operation. - Pressure 700bar Max. - Fast 2 Speed Operation	85mmØ Max Guillotine for Speed Cutting. Use with BM1600	110mmØ Max Guillotine for Speed Cutting. Use with BM1600	Max thickness 3mm. Use with BM1600 & Punching Dies on page 521

HYDRAULIC CRIMPING / CUTTING TOOLS

	Hydraulic Pumps		Crimping Heads		Cable Cutter
	Works with CYO-0410H & SHP-210D & CPC-100	Works with CYO-0410H & SHP-210D & CPC-100	Works with CP-390 & CFP-800-1	Works with CP-390 & CFP-800-1	Works with CP-390 & CFP-800-1
					
Code	CP-390	CFP-800-1	CYO-410H	SHP-210D	CPC-100
	- Hand-operated hydraulic pump - Internal high pressure protection valve - Max output: 700kgf/cm² /10 000psi - Output range (Psi): 350-10 000 - Oil capacity: 480cc - PT3/8" oil pipe connection	- Foot-operated pump - Internal high pressure protection valve - Max output: 700kgf/cm² /10 000psi - Output range (Psi): 350-10 000 - Oil capacity: 650cc - PT3/8" oil pipe connection	- Cable Size: 35-300mm² - Dies Incl: 35,50, 70, 95, 120, 150,185, 240, 300 - Output (T): 120kN - Ram Stroke: 30mm - For use in & outside DB - Titanium Alloy Construction	- Cable Size: 25-240mm² - Built-in revolving die - Output (T): 120kN - Ram Stroke: 22mm - For use in & outside the DB	- Can cut cable up to Ø 100mm depending on the type of material. Solid copper = Ø 42mm - Output: 7.5T - Length: 570mm - Max oil pressure: 700kgf/cm² (10 000 psi) - PT 3/8" oil pipe capacity - Spare Blade: CPC-100-BLADE

	Hydraulic Crimping Tools					Cable Cutter
						
Code	HP-210D	HP-240F	CYO-510B	YT-22860	YT-22862	YT-22872
Cable Size	25-240mm ²	25-240mm ²	50-400mm ²	10-120mm ²	16-300mm ²	4-20mmØ
Dies incl.	Built-in revolving die	16, 25, 35, 50, 70, 95, 120, 150, 185, 240	50, 70, 95, 120, 150, 185, 240, 300, 400	10, 16, 25, 35, 50, 70, 95, 120	16, 25, 35, 50, 70, 95, 120, 150, 185, 240, 300	-
Output	120kN	50kN	130kN	80kN	180-200kN	130kN
Features	- Rugged heavy duty design - Integrated rotatable head bits ensure no misplaced parts - Audible warning of high/low pressure - Rotatable head 180°	- Rotatable head 180° - Safety pressure	- Rugged heavy duty design - Insulated fibreglass handles - Auto oil-bypass protection 2-stage pumping action - Rotatable head 180°	- Open cut design for convenient operation - Quick die change facility. - Supplied with 8pc crimping die set.	- Open cut design for convenient operation - Quick die change facility. - Supplied with 11pcs crimping die set.	- Quick & easy cutting - Strengthened Carbon Steel Blade - Spare blade: YT22875

BATTERY CRIMPING / CUTTING / PUNCHING TOOLS



Supplied With

- Dies 16, 25, 35, 50, 70, 95, 120, 150, 185, 240, 300mm²
- 2 x Batteries + 1 x Charger (230VAC/18VDC)
- 1 Set Spare Cylinder Seals
- 1 Set Spare Safety Valve Seals
- Spare Battery Code: **BZ18/3AH**

Crimping Tool

Code	BZ-300
Crimp Size	16-300mm ²
Crimp Force	60KN
Crimps/Charge	300
Stroke	17mm
Battery	18V / 3Ah



Supplied With

- Dies 16, 25, 35, 50, 70, 95, 120, 150, 185, 240, 300mm²
- Punch Round 22.5, 25.4, 32.5, 40.5, 50.5, 61.5mm
- 2 x Batteries + 1 x Charger (230VAC/18VDC)
- 1 Set Spare Cylinder Seals
- 1 Set Spare Safety Valve Seals
- 1 x Crimping Adaptor & 1 x Punch Adaptor
- Draw studs 3/4", 7/16" + Spacer
- Spare Blade Code: **BZ600-BLADE**
- Spare Battery Code: **BZ18/3AH**

Crimping / Cutting / Punch Tool

Code	BZ-600UNV
Crimp Size	16-300mm ²
Crimp Force	60KN
Crimps/Charge	160
Cuts/Charge	70
Cutting Range	Ø40mm (Cu/AL + Armoured)
Punch/Charge	100
Punching Range	Ø22.5mm - Ø61.5mm
Stroke	42mm
Battery	18V / 3Ah



Supplied With

- Punch/die 22.5, 25.4, 32.5, 40.5, 50.5, 61.5mm
- Draw Studs 1 x 7/16 x 3/4" + 1 x 3/4 x 3/4"
- 2 x Batteries + 1 x Charger (230VAC/18VDC)
- 1 Set Spare Cylinder Seals
- 1 Set Spare Safety Valve Seals
- Spare Battery Code: **BZ18/3AH**

Punch Tool

Code	BZ-12
Punch Size	61.5Ø / 35 x 65mm
Punch Force	120KN
Punch/Charge	180
Stroke	25mm
Battery	18V / 3Ah

CABLE CUTTERS



Cable Cutters for Copper Cable

Code	Description
BM568	For cutting copper cable up to 35mm ²
BM5681	For cutting copper cable up to 60mm ²
BM570	For cutting copper cable up to 120mm ²
BM571	For cutting copper cable up to 240mm ²
BM572	For cutting copper cable up to 400mm ²



Cable Cutters for Aluminium & Copper Cables

Code	Description
LK-22A	For cutting copper & aluminium cables up to 22mm ²
LK-60A	For cutting copper & aluminium cables up to 60mm ²
CC-100L	For cutting copper & aluminium cables up to 100mm ²
HS-325A	For cutting copper & aluminium cables up to 150mm ²
HS-520A	For cutting copper & aluminium cables up to 240mm ²
LK-250	For cutting copper & aluminium cables up to 250mm ²
LK-500	For cutting copper & aluminium cables up to 500mm ²



LK-500/ LK-250

BOLT CUTTER

Heavy Duty Bolt Cutter

Code	Description
HT10-6213	610mm (24") Bolt Cutter
HT10-6214	762mm (30") Bolt Cutter

• Alloy Steel • Tubular Handle • Jaws hardened to HRC55-61

SHEARS

	X-PRO 50mm ² Shears	X-PRO Evo 50mm ² Shears	Cable Shears	Maxi Grip
Code	BM1325	BM1330	BM1335	BM1311
	- Innovative new spring loaded opening action - For the easy stripping and cutting of cables - Especially designed blade for cutting of Aluminium & Copper cables up to a size of 50mm² - Belt Clip Holder	- Ergonomic Design for stronger grip & increased comfort - New design accommodates different hand sizes - New reinforced handles - Longer lever & micro serrated blades for easier cutting of cables up to 50mm²	- Wire Shears - Robust ergonomic handle - For the easy cutting and stripping of Aluminium and Copper cables up to a size of 35mm² - Tempered stainless steel blade - With safety lock	- Wire Shears - Bi-Component handle for greater cutting force - Non-slip serrated blades - Tempered stainless steel blade - Belt clip holder

ROPE ACCESSORIES

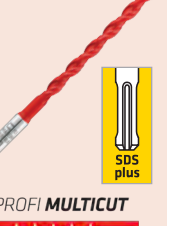
	Eye Bolts			Thimble	Clamp	Tensioner
Code	SB209333/M8	SB209333/M10	SB209333/M12	SB209331/6	SB209332/6.5/5	SB209336/8
Size	10mm(L)	13mm(L)	16mm(L)	6mm	6.5mm (Pack of 5)	8mm

NEW

SAND PAPER & SANDING BELTS

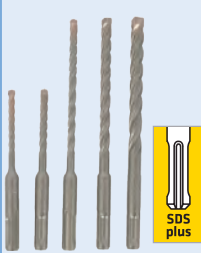
	Floor Paper Rolls				
	Code	Description	Grit	Pcs/Pack	Packs/Box
	FP-P60D/1	Floor Paper Strips	P60D	1	25
	FP-P80D/1	Floor Paper Strips	P80D	1	25
	FP-P100D/1	Floor Paper Strips	P100D	1	25
	Sanding Belts				
	SB-75x532-P40/2	Sanding Belts - 75 x 532mm	P40	2	12
	SB-75x532-P60/2	Sanding Belts - 75 x 532mm	P60	2	12
	SB-75x532-P80/2	Sanding Belts - 75 x 532mm	P80	2	12
	Water Paper Sheets				
	WP-P80C/4	Coarse Water Paper Sheets - 230 x 280mm	P80C	4	25
	WP-P120C/4	Medium Water Paper Sheets - 230 x 280mm	P120C	4	25
	WP-P222C/4	Fine Water Paper Sheets - 230 x 280mm	P222C	4	25
	Cabinet Paper				
	CP-P60D/4	Coarse Cabinet Paper Sheets - 230 x 280mm	P60D	4	25
	CP-P80D/4	Medium Water Cabinet Sheets - 230 x 280mm	P80D	4	25
	CP-P120D/4	Fine Water Cabinet Sheets - 230 x 280mm	P120D	4	25

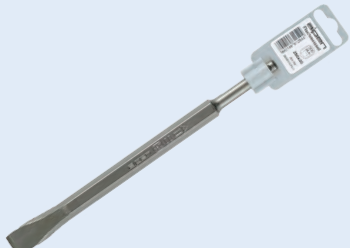
NEW
ALPEN DRILL BITS

	ALPEN HSS Sprint Master		ALPEN Long Life Masonry Drill Bits		ALPEN F4 Forte		ALPEN FORCE X		ALPEN Profi Multicut			
	 SPRINT MASTER ★★★★★		 LONG LIFE ★★★★★		 F4 FORTE ★★★★★ 		 FORCE X ★★★★★ 		 PROFI MULTICUT ★★★★★		 PROFI MULTICUT ★★★★★ 	
Size Ø	Code	Length (mm)	Code	Length (mm)	Code	Length (mm)	Code	Length (mm)	Code	Length (mm)	Code SDS	Length (mm)
2.0	ALP61402-1	49	-	-	-	-	-	-	-	-	-	-
2.5	ALP614025-1	57	-	-	-	-	-	-	-	-	-	-
3.0	ALP61403-1	61	ALP11703	60	-	-	-	-	-	-	-	-
3.2	ALP614032-1	65	-	-	-	-	-	-	-	-	-	-
3.5	ALP614035-1	70	-	-	-	-	-	-	-	-	-	-
4.0	ALP61404-1	75	ALP11704	75	-	-	-	-	-	-	-	-
4.2	ALP614042-1	75	-	-	-	-	-	-	-	-	-	-
4.5	ALP614045-1	80	-	-	-	-	-	-	-	-	-	-
5.0	ALP61405-1	86	ALP11705	85	ALP80705	110	ALP805005	110	ALP17205	85	ALP50905	110
-	-	-	-	-	ALP81705	160	ALP815005	160	ALP72905	150	-	-
5.5	ALP614055-1	93	-	-	-	-	-	-	-	-	-	-
6.0	ALP61406-1	93	ALP11706	100	ALP80706	110	ALP805006	110	ALP17206	100	ALP50906	110
-	-	-	ALP36706	200	ALP81706	160	ALP815006	160	ALP72906	200	-	-
-	-	-	-	-	ALP83706	260	ALP835006	260	-	-	-	-
6.5	ALP6180065	101	-	-	ALP837065	260	-	-	-	-	-	-
7.0	ALP6180070	109	ALP11707	100	-	-	-	-	-	-	-	-
-	ALP6180080	117	ALP11708	120	ALP81708	160	ALP815008	160	ALP17208	120	ALP51908	160
8.0	-	-	ALP36708	200	ALP83708	260	ALP835008	260	ALP72908	200	ALP52908	210
-	-	-	-	-	-	-	ALP845008	310	-	-	-	-
8.5	ALP6180085	117	-	-	-	-	-	-	-	-	-	-
9.0	ALP6180090	125	-	-	-	-	-	-	-	-	-	-
-	ALP6180100	133	ALP11710	120	ALP81710	160	ALP815010	160	ALP17210	120	ALP51910	160
10.0	-	-	ALP36710	200	ALP83710	260	ALP835010	260	ALP72910	200	ALP52910	210
-	-	-	-	-	-	-	ALP845010	310	ALP73010	400	-	-
-	ALP6180120	151	ALP11712	150	ALP81712	160	ALP815012	160	ALP73012	400	ALP52912	210
12.0	-	-	ALP36712	200	ALP83712	260	ALP835012	260	-	-	-	-
-	-	-	-	-	-	-	ALP845012	310	-	-	-	-
13.0	ALP618013	151	ALP11713	150	-	-	-	-	-	-	-	-
-	ALP6400140	160	ALP11714	150	ALP81714	160	ALP815014	160	-	-	-	-
14.0	-	-	-	-	ALP83714	260	ALP845014	310	-	-	-	-
15.0	-	-	ALP11715	150	ALP83715	260	-	-	-	-	-	-
-	ALP6400160	178	ALP11716	150	ALP81716	160	ALP815016	160	ALP73016	400	-	-
16.0	-	-	-	-	ALP83716	260	ALP845016	310	-	-	-	-
18.0	-	-	ALP11718	160	ALP83718	260	-	-	-	-	-	-
	 Resilient  Fast drilling progress  Long tool life Toughness and precision combined with excellent cutting efficiency for drilling alloyed carbon and plain steel. Ideal for hand held operations.		 Universal percussion drill bits  Hard  Long tool life Long Life, milled flutes, for percussion and rotary drilling in concrete, brick and natural stone.		 Efficient  Fast drilling progress  Precise Patented 4X stepped profile and patented tip. Low wear, very long service life. For heavy-duty drilling in concrete, natural stone & brickwork.		 For reinforced concrete  4 Tungsten carbide cutting edges  Dowel length indicator SDS-plus high performance drill bit. New progressive spiral design. Vibrationless running and fast removal of drilling dust.		 Universal special drill bits  UNI  Diamond ground, sharp cutting edges For precision rotary drilling in tiles, natural stone, metal, wood and plastics. Drill through plastics, metal & masonry in one work step.		 Automatic hammer-stop function  UNI  Diamond ground, sharp cutting edges For rotary drilling in tiles, masonry, metal, wood and plastics. Special shank design SDS plus hammer drills with a significantly longer service life.	

NEW

ALPEN DRILL BITS PACK & CHISELS

	HSS Sprint Master TM6 Set	Profi Multicut SDS SPM5 Set	Profi Multicut PM5 Set	Force X Box3 Set	Force X MB5 Set	F4 Forte MB5 Set
						
	SPRINT MASTER ★★★★	PROFI MULTICUT ★★★★★	PROFI MULTICUT ★★★★★	FORCE X ★★★★★	FORCE X ★★★★★	F4 FORTE ★★★★★
Code	ALP811122100	ALP SPM5	ALP PM5	ALP8150681	ALP805000051	ALP MB5
Description	Pack of 6 2/3/4/5/6/8mm	Pack of 5 5/6 x 110mm, 6/8/10 x 160mm	Pack of 5 4/5/6/8/10mm	Pack of 3 6/8/10 x 160mm	Pack of 5 5/6 x 110mm, 6/8/10 x 160mm	Pack of 5 5/6 x 110mm, 6/8/10 x 160mm

	Long Life - Masonry Drill Bit Sets		SDS Plus Drill & Chisel Set	Alpen SDS Plus Chisels	
					
	LONG LIFE ★★★	LONG LIFE ★★★			
Code	ALP TSS3	ALP TSS5	ALP KIT16	Code	Description
Description	Pack of 3 5/6/8mm	Pack of 5 4/5/6/8/10mm	16 Piece set in Metal Carry Case	ALP98002501	Pointed 250mm
				ALP98102501	Flat 20 x 250mm
				ALP98204251	Flat 40 x 250mm
				ALP98302251	Gouge 250mm

	Twist Drill Sets				Masonry Drill Set	Jigsaw Blades
						
	10 Pcs	13 Pcs	19 Pcs	25 Pcs	4 Pcs	5 Pcs
Code	TX-H1001	TX-H1302-1	TX-H1902-1	TX-H2502	TX-M402-1	T118A
Description	1 to 10mm (1mm Increments)	1.5 to 6.5 (0.5 Increments) + 3.2 & 4.8mm	1.0 to 10.0mm (0.5mm Increments)	1.0 to 13.0mm (0.5mm Increments)	4, 5, 6, 8mm Ø ZN-Plated	For Metal 1-3mm



Drill Bit Kit - 101 Piece Kit			
Code	LB-013		
Includes	19pcs - Hss Drills	1pc - Counter Sinking Bit	10pcs - Nut Drivers
	3pcs - Hss drills with Hex Shank	3pcs - Screw Finder	15pcs - 50mm Driver Bits
	4pcs - Hole Saw	22pcs - Miscellaneous Driver Bits	1pc - Magnetic Bit Holder
	5pcs - Flat Wood Drills	6pcs - Masonry Drills	
	6pcs - Wood Drills	4pcs - Drill Stopper	

DRILLS & TAPS

 High speed Drills (DIN338)			 High speed Drills		 SDS Plus					 SDS Max		
Size Ø	Yellow Steel Drills		Masonry Drills (ZN-Plated)				1st Cut Taps	Req Drill Size	1st,2nd&3rd Cut Taps (Set)	Masonry Drills (ZN-Plated)		
	Code	Length (mm)	Code	Length (mm)	Code	Length (mm)				Size Ø	Code	Length (mm)
Pack size	Pack of 10		Pack of 5		Each		Each		Set of 3	Each		
1.0	HSS-1	34	-	-	-	-	-	-	-	16.0	BP-C16-340	340
1.5	HSS-1.5	40	-	-	-	-	-	-	-	18.0	BP-C18-340	340
2.0	HSS-2.0	49	-	-	-	-	-	-	-	20.0	BP-C20-340	340
2.5	HSS-2.5	57	-	-	-	-	-	-	-	22.0	BP-C22-340	340
3.0	HSS-3.0	61	MAS-3/5	60	-	-	TAP-3/1	2.5	TAP-3/3	24.0	BP-C24-340	340
3.2	HSS-3.2	65	-	-	-	-	-	-	-	25.0	BP-C25-570	570
3.5	HSS-3.5	70	-	-	-	-	-	-	-	28.0	BP-C28-570	570
4.0	HSS-4.0	75	MAS-4/5	75	BP-C4-160	160	TAP-4/1	3.2	TAP-4/3	30.0	BP-C30-570	570
4.2	HSS-4.2	75	-	-	-	-	-	-	-	32.0	BP-C32-570	570
4.5	HSS-4.5	80	-	-	-	-	-	-	-	Impact Chisel		
5.0	HSS-5.0	86	MAS-5/5	85	BP-C5-160	160	TAP-5/1	4.2	TAP-5/3			
5.5	HSS-5.5	93	Each		BP-C5.5-160	160	-	-	-			
6.0	HSS-6.0	93	MAS-6	100	BP-C6-160	160	TAP-6/1	5.0	TAP-6/3			
6.5	HSS-6.5	101	-	-	-	-	-	-	-			
	Pack of 5		-	-	-	-	-	-	-	MI-F25-280		
6.8	HSS-6.8	109	-	-	-	-	-	-	-	280(L) x 25(B)mm		
7.0	HSS-7.0	109	MAS-7	120	-	-	-	-	-	Drill Sharpener		
7.5	HSS-7.5	109	-	-	-	-	-	-	-	 For Drills 3.6 - 10mmØ		
8.0	HSS-8.0	117	MAS-8	120	BP-C8-160	160	TAP-8/1	6.8	TAP-8/3			
8.5	HSS-8.5	117	-	-	-	-	-	-	-			
9.0	HSS-9.0	125	-	-	-	-	-	-	-			
9.5	HSS-9.5	125	-	-	-	-	-	-	-			
10.0	HSS-10.0	133	MAS-10	120	BP-C10-210	210	TAP-10/1	8.5	TAP-10/3			
10.2	HSS-10.2	133	-	-	-	-	-	-	-			
11.0	HSS-11.0	142	-	-	-	-	-	-	-			
12.0	HSS-12.0	151	MAS-12	150	BP-C12-210	210	-	-	-	Code	Description	
13.0	HSS-13.0	151	-	-	MAL-13	260	-	-	-	SND401	Drill	
14.0	HSS-14.0	160	MAS-14	150	BP-C14-210	210	-	-	-	SND-STONE	Spare Stone	

Drill Press  Variable spindle		16 pcs Tap & Die Set  TX-0802 Tap & Die Size: M3, M4, M5, M6, M8, M10, M12 1 x Tap Wrench / 1 x Die Handle			Keyless Drill Chuck  CTDCP0023	
Code	ZJQ4116-A1	Tap Wrench  M1-M8 M3-M12			Type	Keyless
Power	500W	Code	Length	For Size	Capacity	2-13mm
Speed	390 - 2600rpm	D312-001	125mm	M1-M8	Female Thread	3/8-24UNF
Spindle travel	50mm	D312-003	200mm	M3-M12	Diameter	43mm
Overall height	630mm				Min Length	63mm
Chuck	13mm				Max Length	76mm

HOLE SAWS

- High Speed Bi-Metal Edge welded to alloy steel for heavy duty cutting



Size Ø (mm)	Size Ø (Inches)	Code	Code	Code	Size Ø (mm)
16	5/8"	–	HS-16	TCT16 NEW	16
20	25/32"	TX-20	HS-20	TCT20	20
22.5	7/8"	TX-22	HS-22.5	TCT22.5	22.5
25	1"	TX-25	HS-25	TCT25	25
29	1 1/8"	–	HS-29	TCT32	32
30	1 1/16"	TX-30	HS-30	TCT40	40
32	1 1/4"	–	HS-32	TCT50	50
35	1 3/8"	–	HS-35	• Complete with Arbor & Spring Extractor • Fast cuts • Stainless & all high alloy steels + Fibre Glass • Long service Life	
38	1 1/2"	–	HS-38		
40	1 9/16"	–	HS-40		
44	1 3/4"	–	HS-44		
48	1 7/8"	–	HS-48		
51	2"	–	HS-51	Arbors - For use with HS Hole Saws	
54	2 1/8"	–	HS-54		
57	1 1/4"	–	HS-57		
60	2 3/8"	–	HS-60		
64	2 1/2"	–	HS-64		
73	2 7/8"	–	HS-73		
76	3"	–	HS-76		



HSD-01



HSD-02

Accessories

Code	Description	Ø Size (mm)
HSD-01/10	10pcs Spare Drill Bit for HAS-02 & HAS-04	6.35 x 73
HSD-02	Adaptor for different Arbor Thread Size	1/2" - 5/8"

HAS-02

- Shank Size: 3/8" Hex
- Thread Size: 1/2"
- Fits to 16 - 30mm Hole Saw

HAS-04

- Shank Size: 7/16" Hex
- Thread Size: 5/8"
- Fits to 32 - 76mm Hole Saw

9 Piece Hole Saw Kit



Includes

Code	HSD-04
Includes	6 x Hole Saws: 16mm (5/8"), 20mm (25/32"), 25mm (1"), 32mm (1 1/4"), 40mm (1 9/16"), 51mm (2") 2 x Arbors to fit Hole Saw: 1/4" Hex to fit 16 - 30mm 7/16" Hex to fit 32 - 210mm 1 x Adaptor 1/2" - 5/8"



16 Piece Hole Saw Kit

Code	HSD-16
Includes	12 x Hole Saws: 19mm (3/4"), 22mm (7/8"), 29mm (1 1/8"), 32mm (1 1/4"), 38mm (1 1/2"), 44mm (1 3/4"), 51mm (2"), 64mm (2 1/2"), 76mm (3"), 89mm (3 1/2"), 102mm (4"), 127mm (5") 2 x Arbors 3/8" & 1/4" Hex with one 6mm pilot drill & 2.5mm allen key 1 x Drive plate

NEW



3pc Step Drill Bit Set

Code	K-3240A
Description	Material: HSS4241 Hardness: HRC 60-63 Surface: Titanium Plated <u>5 Steps:</u> 4, 6, 8, 10, 12mm <u>9 Steps:</u> 4, 6, 10, 12, 14, 16, 18, 20mm <u>15 Steps:</u> 4, 6, 8, 10, 12, 14, 16, 18, 20, 22, 24, 26, 28, 30, 32mm

POWER TOOL ACCESSORIES - ABRASIVES

Superflex Standard Cutting Wheel - Metal - Specification: AS30S B27 F2



Code	DIA.	Thickness	Hole Size	Shape	Max Speed		Box QTY
					M/Sec	RPM	
GTCW0001	115	3.0	22.2	41 Flat	80	13280	25
GTCW0002	125	3.0	22.2	41 Flat	80	12280	25
GTCW0003	150	3.0	22.2	41 Flat	80	10190	25
GTCW0004	180	3.0	22.2	41 Flat	80	8600	25
GTCW0005	230	3.0	22.2	41 Flat	80	6600	25

Superflex Quality Cutting Wheel - Metal (Light Duty Machines 2kw or Less)

Specification: AS30R BF2E



Code	DIA.	Thickness	Hole Size	Shape	Max Speed		Box QTY
					M/Sec	RPM	
GTCW0006	350	3.0	25.4	41 Flat	80	4100	10

Superflex Standard Cutting Wheel - Stone

Specification: CS302 B40 F2 (Mainly Used For Wall Chasing)



Code	DIA.	Thickness	Hole Size	Shape	Max Speed		Box QTY
					M/Sec	RPM	
GTCW0009	115	3.0	22.2	41 Flat	80	13280	25
GTCW0011	125	3.0	22.2	41 Flat	80	12280	25
GTCW0013	230	3.0	22.2	41 Flat	80	6600	25

Superflex Slimline Cutting Wheel - Metal & Stainless Steel (2 in 1)

Specification: A46T BF



Code	DIA.	Thickness	Hole Size	Shape	Max Speed		Box QTY
					M/Sec	RPM	
GTCW0014	115	1.0	22.2	T41 Flat	80	13280	25
GTCW0017	125	1.0	22.2	T41 Flat	80	12280	25
GTCW0019	230	1.9	22.2	T41 Flat	80	6600	25

Superflex Slimline Cutting Wheel - Multi-Purpose - Specification: C60T BF



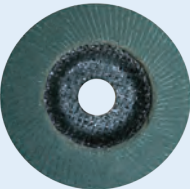
Code	DIA.	Thickness	Hole Size	Shape	Max Speed		Box QTY
					M/Sec	RPM	
GTCW0021	115	1.0	22.2	T41 Flat	80	13280	25
GTCW0022	230	1.9	22.2	T41 Flat	80	6600	25

Superflex Standard Angle Grinding Wheel - Metal - Specification: C60T BF



Code	DIA.	Thickness	Hole Size	Shape	Max Speed		Box QTY
					M/Sec	RPM	
GTCW0026	115	6.4	22.2	27 D/CT	80	13280	10
GTCW0032	230	6.0	22.2	27 D/C	80	6600	10

Industrial Flap Discs



Code	DIA.	Hole	Grit	Box QTY
GTFD0030	115	22	AZ40	10
GTFD0031	115	22	AZ60	10
GTFD0032	115	22	AZ80	10
GTFD0033	180	22	AZ60	10

DIY Flap Discs

Code	DIA.	Hole	Grit	Box QTY
GTFD0034	115	22	AZ40	10
GTFD0035	115	22	AZ60	10
GTFD0036	115	22	AZ80	10

Diamond Saw Blades



Code	DIA.	Thickness	Hole Size	Box QTY
GTCW0040	115	2.2/7	22.23	1
GTCW0041	125	2/7	22.23	1
GTCW0042	230	2.2/7	22.23	1

Segmented Diamond Blade

NEW



Code	dxD(mm)
DIA-S-115	115 x 22.23
DIA-S-230	230 x 22.23

NEW

20V CORDLESS POWER TOOLS

Brushless Hammer Drills

2 Year Standard Warranty Extendable for 1 Additional Year by Online Warranty Registration							
	Code	KUC30	KUC30.1	KUC35	KUC50.2	KUG02	
	No Load Speed	0-500/0-2100rpm		0-550/0-2000rpm	0-1700rpm	Hammer Drill	Impact Driver
	Chuck Size	13mm		13mm	SDS+	0-1800rpm	0-3300rpm
	Impact Energy	-		-	1.7J	10mm	1/4" Hex
Impact Rate	0-33600bpm		0-10450/0-38000bpm	0-5300bpm	-	-	
Max Torque	60Nm		150Nm	-	0-27000bpm	0-4000bpm	
Accessories Included	• Battery: 2 x 4.0Ah • Charger 6A • Double ended bit • Bit clip & Belt Hook • Stacking Case		• Battery: 2 x 4.0Ah • Charger 6A • Auxiliary handle • Double ended bit • Bit clip & Belt Hook	• Battery: 2 x 4.0Ah • Charger 6A • Keyless Chuck with SDS adaptor • Stacking Case	• 1.5A Charger • 2 x 2.0Ah Batteries • Spare Battery: KPB1202 - 12V 2.0Ah • Spare Charger: KCH1202 - 12V 1.5A	• Stacking Case	

Brushless Impact Wrench/Driver

2 Year Standard Warranty Extendable for 1 Additional Year by Online Warranty Registration					
	Code	KUB30.2	KUB33.91*	KUB35.91*	KUB61.91*
	No Load Speed	0-1900/0-2200rpm	0-900/0-1100/0-1900rpm	0-900/0-1100/0-1800rpm	0-1200/0-2100/0-2800/ 0-3600rpm
	Chuck/Anvil Size	1/2"	1/2"	3/4"	1/4" Hex
	Impact Rate	0-3000/0-3200bpm	0-1000/0-1600/0-2400bpm	0-1000/0-1600/0-2400bpm	0-1500/0-2800/0-3400/0-4200bpm
Max Torque	300Nm Max	1300Nm Max	1700Nm Max	230Nm Max	
Accessories Included	• Battery: 2 x 4.0Ah • Charger 6A I M22 Socket • Carry Strap • Stacking Case	• Carry Strap • Stacking Case * Battery & Charger not included	• Stacking Case * Battery & Charger not included	• Bit Clip & Hook • 50mm screwdriver bit • Stacking Case * Battery & Charger not Included	

Grinders

2 Year Standard Warranty Extendable for 1 Additional Year by Online Warranty Registration						
	Code	KUH02.2	KUH04	KUD12.91*		
	No Load Speed	3500/6000/8500rpm		3500/6000/8500rpm	8000 - 18000min	
	Spindle Size	M14		M14	-	
	Disc Diameter	115mm		125mm	-	
Bore Diameter	22.2mm		22.2mm	-		
Speed Selection	3 Speed		3 Speed	6 Speed		
Accessories Included	• Auxilliary handle • Spanner • Grinding wheel guard • Charger 6A • Stacking case • 2 x 4.0Ah Batteries		• Auxilliary handle • Spanner • Grinding wheel guard • Charger 6A • Stacking case • 2 x 4.0Ah Batteries		• Sanding Paper & Pad • 45mm Precision Wood Plunge Blade • 10mm & 28mm End Cut Blades • HSS Semicircle Saw Blade • Rigid Scraping Blade • Flange for other Brands of Sanding Pads * Battery & Charger not Included	

NEW
20V CORDLESS POWER TOOLS

	Brushless Reciprocating Saw	Brushless Jigsaw	Brushless 140mm Circular Saw	
2 Year Standard Warranty Extendable for 1 Additional Year by Online Warranty Registration				
Code	KUE01.9*	KUE26.91*	KUE11*	
No Load Speed	0-1400rpm	350-3500rpm	6900rpm	
Bevel Capacity	-	0-45°	0-50°	
Stroke Length	29mm	26mm	-	
Cutting Capacity	Wood: 300mm Steel: 12mm	Wood: 135mm Steel: 10mm	0: °51mm 45: °35mm	
Variable Speed	Yes	Yes	No	
Accessories Included	• Wood cutting blade • Metal cutting blade * Battery & Charger not Included	• Wood cutting blade • Stacking Case * Battery & Charger not Included	• Parallel guide • Vacuum adaptor • Carry strap • TCT 140mm saw blade * Battery & Charger not Included	
	Blower	Portable Fan - Ø242mm	Wet-Dry Vacuum Cleaner	Jobsite Light
2 Year Standard Warranty Extendable for 1 Additional Year by Online Warranty Registration				
Code	KUF30.9*	KU066.9*	KH035.9*	KUF05.9
No Load Speed	0-18000rpm	0-2500rpm	-	-
Air Volume	1.6m³/2.2m³/2.8m³/min	9m³/12.8m³/min	High 1.3m³/min, Low 0.7m³/min	LED Brightness:750/1500lm
Speed Settings	3 Speed	2 Speed	2 Speed	2 Light Setting
Accessories Included	• Blower tube • Dust Cover • Blowing mouth • Small hose x2 (ø6, ø8) • Quick change connector x2 * Battery & Charger not included	• AC Adaptor * Battery & Charger not included	• 3.6m Built in hose * Battery & Charger not included	• 360° Adjustable bracket c/w hook for hanging

NEW
BATTERIES & CHARGERS

KROSSPACK™ 20V Chargers			KROSSPACK™ 20V Battery & Charger Kit			
2 Year Standard Warranty				Code	KAD21	
				Kit Includes	• 4.0 Ah battery x2 • 6A Charger	
Code	KAC21	KAC22	KROSSPACK™ 20V Lithium Ion Batteries			
Rated Voltage	20V Max	20V Max	c/w LED Charge State Indicator			
Power Input	160W	260W		Code	KAB21	KAB24
Charging Current	6A Max	12A Max	Battery Voltage	20V	20V	20V
Charging Times	• 2.0Ah ±22mins • 4.0Ah ±45mins • 6.0Ah ±65mins • 8.0Ah ±100mins	• 4.0Ah ±25mins • 6.0Ah ±35mins • 8.0Ah ±60mins	Battery Capacity	4.0Ah	6.0Ah	8.0Ah

NEW
CORDED POWER TOOLS

Angle Grinders				
2 Year Standard Warranty Extendable for 1 Additional Year by Online Warranty Registration			 Brushless	
Code	KUS04P	KUS05P	KUS26	KUS35P
Rated Power	830W	900W	1200W	2200W
No Load Speed	0-12000rpm	0-11000rpm	0-11000rpm	0-6500rpm
Disc Diameter	115mm	115mm	125mm	230mm
Bore Diameter	22.2mm	22.2mm	22.2mm	22.2mm
Accessories Incl.	• Spanner • Auxillary Handle (Adjustable) • Grinding Wheel Guard (Adjustable) • Spindle Lock	• Spanner • Auxillary Handle (Adjustable) • Grinding Wheel Guard (Adjustable) • Spindle Lock	• Spanner • Auxillary Handle (Adjustable) • Grinding Wheel Guard (Adjustable) • Spindle Lock	• Spanner • Auxillary Handle (Adjustable) • Grinding Wheel Guard (Adjustable) • Spindle Lock
Hand Drills		Oscillating / Multi Tools		
2 Year Standard Warranty Extendable for 1 Additional Year by Online Warranty Registration				
Code	KU110K	KU120	Code	KUW58.1
Rated Power	500W	650W	Rated Power	480W
No Load Speed	0-2800rpm	0-3000rpm	No Load Speed	11000-20000/min
Chuck	10mm Keyless	13mm Keyed	Oscillation Angle	5°
Variable Speed	Yes	Yes	Accessories Incl.	• 35mm End Cut Blade
Forward & Reverse	Yes	Yes		• 35mm Precision Blade
Accessories Incl.	-	Chuck Key		• 35mm Bimetal blade
				• 80mm HSS semi circle saw blade
				• Sanding pad
				• 6 x Sand paper
				• Rigid Scraping Blade
				• Stacking Case
Rotary Hammer Drill		Rotary Hammer	Rotary Hammer	Demolition Hammer
2 Year Standard Warranty Extendable for 1 Additional Year by Online Warranty Registration				
Code	KUX12P	KUX15P	KUX21	KUX35P
Rated Power	850W	1100W	1050W	1200W
No Load Speed	0-1300rpm	0-900rpm	0-610rpm	-
Chuck	SDS+	SDS+	SDS Max	SDS Max
Impact Energy	3J	5J	7.5J	14J
Impact Rate	0-5500bpm	0-4300 bpm	0-4150 bpm	0-3500 bpm
Variable Speed	Yes	No	No	No
Forward & Reverse	Yes	No	No	No
Accessories Included	• Auxillary Handle • Depth Gauge • Carry Case	• Auxillary Handle • Spanner • Carry Case	• Auxillary Handle • Depth Gauge • Carry Case	• Auxillary Handle • Spanner • Bull Point Chisel • Carry Case

20V CORDLESS HAMMER DRILLS/DRILLS/ROTARY HAMMER

	Hammer Drills		Drills		Rotary Hammer
All supplied c/w 2.0Ah Li-ion Battery & Fast Charger LED Work Light		NEW 	NEW 		
		Brushless	Brushless		
Code	LCD777-1SC	LCD777-9SC	LCD787-7S	LCD777-1S	LCH777-1
Features	• 2 Speed • Forward / Reverse • Magnetic Bit Holder • Side Handle • Spare Battery: LY777/2.0AH	• 2 Speed • Forward / Reverse • Variable Speed & Electric Brake • Spare Battery: LY777/2.0AH	• 2 Speed • Forward / Reverse • Spare Battery: LY777/2.0AH	• 2 Speed • Forward / Reverse • Magnetic Bit Holder • Spare Battery: LY777/2.0AH	• Impact Force: 1.1J • 2 Function Rotary Selector (Drill/ Hammer) • Forward/Reverse • Spare Battery: LY777/2.0AH
No Load Speed	0-400/0-1400rpm	0-500/0-2000rpm	0-400/0-1400rpm	0-400/0-1400rpm	0-900rpm
Max Torque	50Nm	60Nm	45Nm	35Nm	-
Torque Sett.	20+1+1	21+3	18+1	25+1	-
Chuck Size	13mm	13mm	10mm	13mm	SDS Plus
Impact Rate	0-6000/0-21000bpm	0-7500/0-30000bpm	-	-	0-5000bpm

20V CORDLESS DRIVER/WRENCH/ANGLE GRINDER

	Impact Driver		Impact Wrench	Angle Grinders	
All supplied c/w 2.0Ah Li-ion Battery & Fast Charger		NEW 			NEW 
		Brushless			Brushless
Code	LCW777-1A	LCW787-9A	LCW777-1B	LCG777-1	LCG777-9
Features	• Durable Gearbox • Forward / Reverse • Magnetic Bit Holder • Spare Battery: LY777/2.0AH	• Durable aluminium gear box • Switch with variable speed • 3 Torque and speed settings • LED worklight • Spare Battery: LY777/2.0AH	• Durable Gearbox • Forward / Reverse • Spare Battery: LY777/2.0AH	• Spindle Lock • Quick Change Guard • 3-Position Handle Fixing • Spare Battery: LY777/2.0AH	• Spindle lock • Quick change gaurd • 2 Position Handle Fixing • Soft Start & Electric Brake • Spare Battery: LY777/2.0AH
No Load Speed	0-2800rpm	0-1800/0-2200/0-2600rpm	0-2800rpm	0-10000rpm	0-10000rpm
Impact Rate	0-3600bpm	0-2500/0-3000/0-3500bpm	0-3600bpm	-	-
Max Torque	180Nm	230Nm	250Nm	-	-
Spindle/Chuck	1/4" Hex	1/4" Hex	-	φ22mm	φ22mm
Disc Diameter	-	-	-	115/125mm	115/125mm

20V CORDLESS POWERTOOLS

	Vacuum Cleaner	Blower	Multi-tool	Leaf Blower
All supplied c/w 2.0Ah Li-ion Battery & Fast Charger				
Code	ZVC777-1	LCGB777-2	LCM777-1	ZBL777-1
Features	- Tank Volume 500ml - Spare Battery: LY777/2.0AH Included: Extension Pipe Crevice Tool, Adapter, Floor Brush, Brush Nozzle	- Blower & Vacuum in one - Lockable Switch - Max Air Flow 120m³/h - Spare Battery: LY777/2.0AH Included: Nozzle Dust Bag	- Quick blade change - Versatile sawing/cutting/sanding - Side handle for easy operation - LED work light - Spare Battery: LY777/2.0AH Included: Plunge Saw Blade, Scraper, Sanding Pad & Paper, Dust Collection Tubs	- Light weight & compact design easy to carry - Max Air Volume 500m³/h - Spare Battery: LY777/2.0AH
No Load Speed	0-32000rpm	0-6000/0-12000/0-18000rpm	5000-20000rpm	15000/20000rpm
Speed	1 Speed	3 Speed	6 Speed	2 Speed
	Spare Li-ion Battery		Spare Fast Charger	
c/w LED Charge State Indicator				
	LY777/2.0Ah	LY777/4.0Ah	LYKC777	LYKC777-3.5A
	2.0Ah	4.0Ah	Charging Current 2.4A	Charging Current 3.5A

CORDLESS POWERTOOLS/ACCESSORIES

	12V Drill	12V Mini Rotary Grinder	3.6V Screwdriver
All supplied c/w 2.0Ah Li-ion Battery & Fast Charger			
Code	LCD666-1S	LCF666-3	LY529
Features	2 Speed - Forward/ Reverse - LED Work Light - Magnetic Bit holder - Spare Battery: LY666/2.0AH	6 Speed - Spindle lock - Used to cut, grind, sand, polish & engrave - Ergonomic design (comfortable shape & soft rubber) - Supplied in case with 50pc Accessory Set - Spare Battery: LY666/2.0AH	- Supplied in case with 55pc bit set. 60° Swivel Handle for ease of use - LED Work Light - LED Batt. Indicator
No Load Speed	0-350/0-1300rpm	5000-25000rpm	0-180rpm
Max Torque	25Nm	-	4Nm
Torque Settings	19 + 1	-	10+1
Chuck Size	10mm	φ3.2mm Collet	1/4" Hex

CORE DRILLING MACHINE

Core Drilling Machines c/w Stand			Core Drill Bits		Water Swivel Adaptor
					
Code	R1011	R1721	RC35-*	RC70-*	WATER SWIVELS
Supply	220-240VAC	220-240VAC	1/2" Box Thread	1 1/4" UNC Thread	Fits a standard 1/2" chuck Allows wet core drilling using RC35 core bit Capacity: 12 - 77mm Diameter No hammer action required
Watts	1100W	1700W	* Add size to code:	* Add size to code:	
Shaft Speed	970rpm	450/900rpm	20mm (ID: 15mm L: 400mm)	52mm (ID: 44mm L: 450mm)	
Core Bit Type	RC35	RC70	25mm (ID: 20mm L: 400mm)	67mm (ID: 59mm L: 450mm)	
Bit Sizes	60-120mm	40-300mm	32mm (ID: 27mm L: 400mm)	109mm (ID: 101mm L: 450mm)	
Output Shaft Thread	1/2" Box	1 1/4 UNC	52mm (ID: 46mm L: 400mm)	117mm (ID: 109mm L: 450mm)	
Weight	6.1kg	18.2kg	Suitable for wet drilling of reinforced concrete/masonry		

POWER TOOLS

		Electric Blower		Cordless Screwdrivers	
		Code	EB-J30A		
		Supply	220-250V 50Hz		
		Rated Input	550W		
		Air Volume	2.8m³/h		
		Speed	500-1500r/min		
		Code		SND113	SND114
		Volts		6V	3.6V
		Speed		180rpm	150rpm
		Spare Battery		SND6V	SND3.6V

Heat Guns			Glue Gun
			
Code	PLD2230	PLD2232	ZD-509
Power	2000W	2000W	1500W
Features	3 Speed / Temperature Settings: 1: 50°C / 500//min 2: 450°C / 250//min 3: 600°C / 500//min	3 Speed / Temperature Settings: 1: 50°C / 250//min 2: 50-600°C (Adj.) / 250//min 3: 50-600°C (Adj.) / 500//min Able to work continuously without overheating.	Hot Airgun Low/Off/High 200°C – Off – 500°C
			
			ZD-7
			40Watt Glue Gun
			ZD-7GLUE
			6Pcs Ø 11 x 100mm
			ZD-7GLUE-300
			6Pcs Ø 11 x 300mm

12VDC Wrench & Jack Auto Kit for every car owner

Code	HF-12
Impact Wrench	Electric Jack
• Voltage: 12VDC	• Voltage: 12VDC
• Working Current: ≤8A	• Max Load: 950kg
• Max Torque: 300 NM	• Working Current: ≤10A
• Output Shaft: 1/2"m (13mm)	• Lifting Height: 22cm (12-34cm)



PROFESSIONAL POWER TOOLS

	Angle Grinder		Impact Drill	
				
Code	MCOP1627	MCOP1593	MCOP1573	MCOP1592
Power	2200W	850W	500W	900W
No Load Speed	-	-	Variable Speed	Variable Speed
Chuck Size	-	-	Ø13mm	Ø13mm
Disc Diameter	Ø230mm	Ø115/125mm	-	-
Spindle Size	Ø22mm	Ø22mm	-	-
Weight	6.9kg	2.7kg	2.3kg	2.9kg



Drill/Grinder Combo

Code	MCOP1584	
Type	Drill	Grinder
Power	500W	650W
No Load Speed	Variable Speed	Variable Speed
Chuck Size	Ø13mm	-
Disc Diameter	-	Ø115mm
Size (mm)	265 x 300 x 75	120 x 300 x 140
Weight	2.3kg	3.4kg

WELDING MACHINES

Inverter Welders

MMA: c/w Cable Sets ready to use INMIG: c/w Earth Cable & MIG torch Supply Voltage: 230VAC Rated Duty Cycle: 60%				
Code	MCOW4021	MCOW4095	S-MMA-210	S-INMIG-205
Type	MMA	MMA	MMA	MIG / MMA
Rated Input Capacity	5.12KW	7.04KW	7.1KW	6.4KW
Current Adjustment	150A	20-200A	10-200A	20-200A
Electrode Diameter	1.6-4mm	1.6-4mm	1.6-4.0mm	1.6-4.0mm

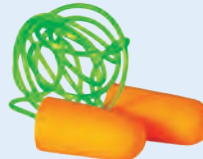
CORDLESS POWER TOOLS

	Reciprocating Saw	Jig Saw	Delta Sander
			
Code	WLP827-01	WLP821-01	WLP825-01
Power	18V Ni-cd Battery	18V Ni-cd Battery	18V Ni-cd Battery
No Load Speed	2800rpm	1700rpm	6000rpm
Cutting Capacity	Maximum Cutting Depth: 101mm Stroke length: 22mm	Wood: 50mm, Mild Steel: 3mm Bevel angle range: 0-45°	Sanding Pad: 90 x 90 x 90mm
Spares	Battery: WL-BA01 Charger: WL-CH01	Wood blade: WL-JS01W/5 Metal blade: WL-JS02M/5 Battery: WL-BA02 Charger: WL-CH02	Battery: WL-BA02 Charger: WL-CH02

WELDING ACCESSORIES

Welding Helmet Lenses 108 x 51mm		Brush Wire		Electrode Holder	
					
Code	TOOW4242G	TOOW4242H	TOOB38	EWC0074	TOOW4240
Description	Shaded Glass	Clear Glass	5 Rows	Collet Type, 600A	KD Type, 500A
Earth Clamp		Chipping Hammer		Bench Vice Swivel Heavy Duty	
					
Code	TOOW4238	JW-AC012	YT-6501	YT-6503	C061SK
Description	300A	500g	100mm	150mm	600mm
G Clamps		Welding Clamp Magnets		General Purpose Welding Rods	
					
Code	C075GK	75mm	TOOW4235	Small	ELE001
	C150GK	150mm	TOOW4234	Medium	ELE002
	C200GK	200mm	TOOW4233	Large	ELE003
				6 Pcs Welding Kit	
					
				Welding Cable Set	
					
				• Flip front face shield • 2.5 x 16mm Green welding cable with earth clamp • 2.5 x 16mm Green welding cable with electrode holder • 5 Row wire brush • Metal Chipping Hammer • Pair of welding gloves	
				• 1x 300A Electrode Holder • 1x 300A Earth Clamp • 2x 10-25 Dinse Connectors (Jack Plugs) • 2x 1.5m x 25mm² Blue Welding Cables	
Welding Helmets					
					
JW-SFTB-002		JW-SFTB-005			
Code	JW-SFTB-002	JW-SFTB-005			
Sensitivity Control	Low / High	Auto			
Power Supply	2 x AAA Battery	Solar- No Battery			
Switching Time	1 / 15 000s	1 / 15 000s			
• Light State: DIN4 • Shade Control: External, Variable • Dark State: Variable Shade 9-13 • Grinding Function					
Wire Cup Brushes				Bulk Mild Steel Electrodes	
					
Code	WB-R-65	WB-R-75	WB-R-100	JW-E1025	JW-E1032
Description	Ø65 x M14	Ø75 x M14	Ø100 x M14	Mild Steel Electrodes 5kg / 2.5mm	Mild Steel Electrodes 1kg / 3.2mm
Green Lined Welding - Wrist		Green Lined Welding - Elbow		Chrome Leather Short	
					
Size: 10		*Size: 9 or 10		Size: 10	
					
				*Size: 9 or 10	
					
				*Size: 9 or 10	
					
				*Size: 9 or 10	
Code	G023-10	G022-*	G001-10	G004-*	G1028-*
					G012-*

SAFETY ACCESSORIES

	Heavy Duty Winter Grip - Latex Palm	Cut Resistant - Latex Palm	Light Duty - Latex Palm	Red PVC / Knit-Wrist	Candy Strip Rigger																									
	 Size: 9 EN388: 4231	 Size: 9 EN388: 3544	 Size: 10 EN388: 3111	 Size: 9 EN388: 4121	 Size: 9																									
Code	G074-9	G060-9	G057-10	G013-9	G010-9																									
	Green Nitrile Gloves	Black Rubber Builders Gloves	Red PVC open Cuff	8" Red Heat Resistant	Exam Gloves																									
	 Size: 10	 Size: 10	 Size: 10	 *Size: M-L-XL Pack of 100/200	 *Size: S-M-L-XL Pack of 100																									
Code	G033-10	G018-10	G016-10	LATEX GLOVES	EXAM GLOVES																									
	Dust Masks		3Ply Non-Sterile Masks		3 Ply Surgical Masks																									
																														
Code	FFP2-N95/1	FFP2-N95	FFP1-3P/1	FFP1-3P	FFP1-Q/1	FFP1-Q																								
	1 Piece	Box of 20	1 Piece	Box of 20	1 Piece	Box of 50																								
	Safety Spectacles	Safety Spectacles	Safety Glasses with Side Shield		Goggles																									
	 Black Frame	 Sporty Look	 Clear	 Amber																										
Code	EURO1	EURO2	JW-SFT028	JW-SFT030	SB216040																									
	Protection Goggles	Safe Face Shield	Chrome Leather Apron	Ear Muffs	Ear Plugs Disposable	Hard Hat																								
																														
Code	FACE SHIELD	TOOG774	LA-90	TOOE502	TOOE505	G002 White G003 Blue																								
	Conti Suits				Dust Coat	Size Chart (mm)																								
	 Acid/Flame Resistant c/w Reflective Tapes					<table><tr><th>Size</th><th>Chest</th><th>Waist</th></tr><tr><td>S</td><td>82-87</td><td>72-77</td></tr><tr><td>M</td><td>92-97</td><td>82-87</td></tr><tr><td>L</td><td>102-107</td><td>92-97</td></tr><tr><td>XL</td><td>112-117</td><td>102-107</td></tr><tr><td>2XL</td><td>122-127</td><td>112-117</td></tr><tr><td>3XL</td><td>132-137</td><td>122-127</td></tr><tr><td>4XL</td><td>142-147</td><td>132-137</td></tr></table>	Size	Chest	Waist	S	82-87	72-77	M	92-97	82-87	L	102-107	92-97	XL	112-117	102-107	2XL	122-127	112-117	3XL	132-137	122-127	4XL	142-147	132-137
Size	Chest	Waist																												
S	82-87	72-77																												
M	92-97	82-87																												
L	102-107	92-97																												
XL	112-117	102-107																												
2XL	122-127	112-117																												
3XL	132-137	122-127																												
4XL	142-147	132-137																												
Code	AF-CG34-*	J54001N-*	RB001-*	GM002-*	DC003-*																									
	Green (Sizes as per Chart)	Navy Blue 100% Cotton	Royal Blue	Navy Blue Denim Material	Royal Blue																									
Code	AF-CNB34-*	*Add Size to size to code: S (Small), M (Medium), L (Large), XL (Xtralarge) 2XL (XXtralarge), 3XL (XXXlarge), 4XL (XXXXLarge)																												
	Navy Blue (Sizes as per Chart)																													

SAFETY ACCESSORIES



P3

3M Comfort Grip Gloves

Perfect for light to medium duty jobs that require precision handling, even in hot and sweaty conditions.

Code	Includes
WX300921193	Large
WX300921201	Xtra-Large

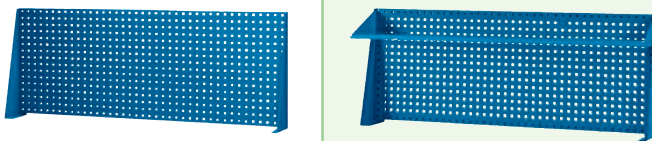
Characteristics:

- Exceptional comfort and breathability: Thin foam coating provides high breathability for maximum comfort.
- Fine gauge knit nylon liner provides flexibility and padding
- High Durability: Unique nitrile formula offers resistance to abrasion.
- Machine washable

Benefits:

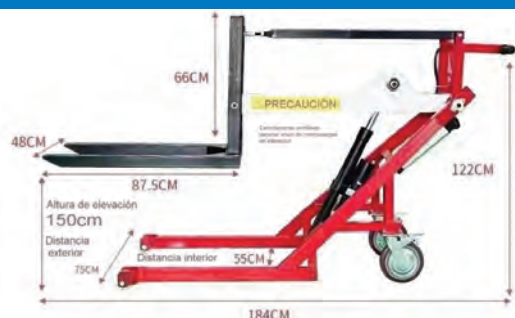
- Sweat Protection
- Maximised Tactile Sensitivity
- Excellent Dexterity
- Oil Resistant

WORK BENCHES

Work Bench Only		Perforated Rack Sets		
				
Code	WA-67A-1	Code	WQ-62	WQ-63
Size (mm)	800H x 1800W x 750D	Size (mm)	605H x 1802W x 205D	605H x 1802W x 325D 25H x 1795W x 300D

NEW

PALLET JACKS



High-lift Battery Pallet Jack

Code	FORKLIFT - 1.7M
Load Capacity	500kg
Lifting Height	1.5m
Fork Width	480mm
Fork Length	875mm
Lifting Mechanism	Hydraulic - Powered by built-in lithium battery

TROLLEYS & MINI STEP LADDER

Trolleys	Trolley for moving appliances up to 100kg		Plastic Step-Ladder
			
HL2031	HL5039		HL3028
Service Cart Maximum load 30kg/level 715 x 465 x 250mm	Home Trolley (set of 2) Maximum load 100kg/set		Top Ø286mm Bottom Ø435mm Height 425mm Maximum load 300kg

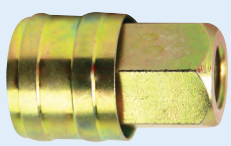
NEW

AIR ACCESSORIES

	Air Duster	Wash Gun	Sand Blasting Gun	Air Brush Set	Tyre Inflator Gun Pro/Kit	
						
Code	TOOS1751	PAB1211	PAB1210	PAB1209*	PAB1204	
Compressor	1.1KW	1.1KW	2.2KW/3HP	Set consists of: 22cc Cup, Hand piece protective cap, 5cc Metal cap, 60cc Mixing jar with lid, Spray jar, PVC Airline hose with adapters, Spanner.	1.1KW	
Pressure	3-8 Bar	4-7 Bar	6 Bar		3-8 Bar	
Application	Blowing & Cleaning	Cleaning: Car Bodywork, Parts, Drains & Patios	Removes All Paints & Rust spots, Prep for Painting		Inflate: Car Tyres, Bicycle Tyres, Air Beds, Footballs etc.	
	Gravity Feed Spray Gun	Suction Feed HP Spray Gun	Delux Mini HVLP Spray Gun	PVC Airline Hose	PVC High Pressure Hose	
						
Code	TOOS1789	TOOS1785	TOOS1790	TOOH910	TOOH501	TOOH506
Compressor	1.5KW or above	1.5KW -2HP	1.5KW or above	10m Length	20m Length	100m Length
Pressure	3.5 - 4.8 Bar	3.5 - 4.8 Bar	2 - 5.5 Bar	Ø6mm	Ø6mm	Ø6mm
Cup Capacity	600ml	1000ml	100ml	10m Length Supplied Fitted with: TOOC349 Air Connectors Both Ends	• Ideal for pressure lines & Compressors • 1750kPA • Air/Water hose • Weather & Abrasion resistant	
Air Consump.	228L/Min	280L/Min	160-300L/Min			
Fluid Nozzle	Ø1.4mm	Ø2.0mm	Ø1.4mm			
Features	Paint Flow, Fan Adj, Air Control.	For professional quality	Non-Bleeder Type			

* Suitable for: Hobby enthusiasts & model makers: Spraying with Cellulose & Enamel

AIR CONNECTORS

				
Code	TOOC340	TOOC341	TOOC342	TOOC344
Connect 1	Quick Connect Female	Quick Connect Male	Quick Connect Male	Air Hose Fitting - 8mm
Connect 2	BSP1/4" Female	BSP1/4" Male	BSP1/4" Female	Quick Connect Male
			Inline Lubricator 	Coupler 5Pcs Air Hose Connector 
Code	TOOC346	TOOC349	PAB1222	TOOC348
Connect 1	Air Hose Fitting	Air Hose Fitting - 6mm	Helps to reduce wear on air tools. Automatically lubricates air line system.	Kit Includes: • TOOC346 • TOOC342 • TOOC340 • TOOC344 • TOOC341
Connect 2	BSP1/4" Male	Spray Gun Fitting		

TOOL BAGS

	Professional Trolley Tool Bag	Tool Bag with Tubular Handle	Super Open Mouth Tool Bag
	42 Pockets 	56 Pockets 	24 Pockets 
Code	SB-L001	SB-T017	SB-S002
Fabric	Polyester 600D	Polyester 600D	Polyester 600D & 1680D
Pockets	10-Exterior, 32-Interior	14-Exterior, 42-Interior	15-Exterior, 9-Interior
Bag Size	360 x 250 x 430mm	490 x 280 x 370mm	420 x 300 x 250mm
Capacity	25kg	25kg	25kg
Features	Three-Step Heavy Duty Trolley with stop	Foldable Sides	Wide Opening
	Popular Lady's Tool Bag	Roller/Back-Pack Tool Bag	Back-Pack
	15 Pockets 	9 Pockets 	20 Pockets 
Code	SB-S005	SB-P001	SB-P003
Fabric	Polyester 600D	Polyester 600D	Polyester 600D
Pockets	12-Exterior, 3-Interior	4-Exterior, 5-Interior	5-Exterior, 15-Interior
Bag Size	300 x 170 x 220mm	360 x 250 x 540mm	370 x 160 x 460mm
Capacity	15kg	20kg	20kg
Features	-	Roller or Back-Pack on Wheels	c/w Rubber Bottom
	Multi Purpose Bag	Tool Bag with Seat	Handy Tool Bag
	12 Pockets 	6 Pockets 	13 Pockets Tool-Bag with Shoulder Strap 
Code	SB-B023	SB-M005	SB-C003
Fabric	Polyester 600D	Polyester 600D	Polyester 600D
Pockets	8-Exterior, 4-Interior	6-Exterior	12-Exterior, 3-Interior
Bag Size	330 x 570mm	420 x 290 x 310mm	240 x 240 x 420mm
Capacity	8kg	80kg	15kg
	Utility Vest Kit	Hands-free Vest	Belt Tool Pouch
	14 Pockets 	• Adjustable - 1 size fits all • Heavy Duty material & 3 Zippers 	• Universal 
Code	SB-G005	SB210404	EUROMARIO
Fabric	Polyester 600D	Polyester 600D	Industrial Nylon
Pockets	14-In total	7 Pockets	3-Exterior, 2-Interior
Bag Size	650 x 500mm	500 x 595mm	Belt Mount
Capacity	-	-	-

METAL TOOL CASES

Aluminium Tool Boxes	Steel Canterlever	Steel Tool Box	Steel 3-in-1 Combo	Plastic Trolley Case
 MJ-3083 520L x 210H x 230W	 MJ-20565 565L x 215H x 220W	 SB210211 • 4 Drawers and top compartment Toolbox • On wheels • Lockable • 668L x 386H x 316W	 JF-A300ABC 581 x 297 x 266H 495 x 285 x 222H 460 x 204 x 181H	 MJ-2055 712H x 315D x 485W
 MJ-3085 594L x 210H x 230W	SB210206 404L x 195H x 200W			

Plastic Tool Boxes

 MJ-30019D 485L x 270H x 245W	 MJ-10571 420L x 230H x 200W	 MJ-10555A 395L x 235H x 175W	 MJ-12056 500L x 240H x 260W
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Tool Cabinets • 1st drawer includes division boxes, other 3 drawers include dividers

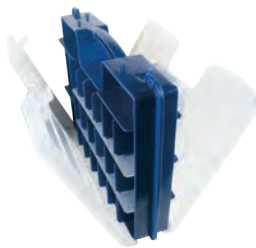
 Division Boxes Dividers	 ELS-274M 863H x 1070W x 515D 4 x 150H Blue	 ELS-274MA 1333H x 1070W x 515D 4 x 150H Blue	 ELS-276M 863H x 1070W x 515D 2 x 75H; 2 x 100H; 1 x 150H Blue	 ELS-276MA 1333H x 1070W x 515D 2 x 75H; 2 x 100H; 1 x 150H Blue
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Mobile Tool Cabinets • 1st drawer includes 12 division boxes, other drawers have 3 compartments each

 ELA-185M 993H x 700W x 510D 1 x 100H; 4 x 150H Red	 ELA-185MA 1462H x 700W x 510D 1 x 100H; 4 x 150H Red
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12 Free
hanger
hooks
incl.

PLASTIC TOOL BOX ORGANISERS

2 Door Storage Boxes		Storage Box	Storage Drawers	
				
ZD-B2	MJ-10237	MJ-46368	MJ-10184	MJ-10219
2 sides can open independantly Tough Transparent lids Adjustable partitions Total of 32 Compartments Size: 295L x 220H x 76Wmm	2 sides can open independantly Tough Transparent lids Adjustable partitions Total of 22 Compartments Size: 370L x 300H x 80Wmm	Single Lid opening Tough Transparent lid Adjustable partitions Total of 26 Compartments Size: 460L x 360H x 80Wmm	4 Pull-out drawers Single Top compartment with Transparent lid Total of 21 Compartments Size: 415L x 225H x 240Wmm	3 Pull-out drawers 2 Top Compartments with Transparent lids Total of 17 Compartments Size: 400L x 205H x 290Wmm
Small 2 Door Storage Box	Accessory Box	Storage Box	Aluminium Tool Case	
				
ZD-B3	MJ-10310	HL3021	SB210310	
2 sides can open independantly Tough Transparent lids Fixed partitions Total of 13 Compartments Size: 162L x 99W x 45Hmm	Single Lid opening Tough Clear lid/ Quick view Fixed partitions Total of 18 Compartments Size: 310L x 200W x 45Hmm	Single Lid Opening Tough Transparent Lid Total of 26 Adjustable Compartments Size: 460L x 330W x 75Hmm	Aluminium Carry Case Formed Foam Cut-outs Adjustable partitions Total of 6 Compartments Size: 460L x 335W x 150Hmm	

SHELVING

The economical, aesthetically pleasing, DIY, quick assembly (no screws) shelving. Ideal for the Store, Garage, Workshop, Office or the Garden Shed



Code	ADIY3903W	ADIY3904G	ADIY3901W	ADIY3902G
Colour	White	Grey	White	Grey
Description	5 Shelf, Loading: Max 250kg per Shelf, Up to 1250kg Total Weight Size: 1830 x 920 x 458mm		4 Shelf, Loading: Max 150kg per Shelf, Up to 600kg Total Weight Size: 1524 x 814 x 305mm	

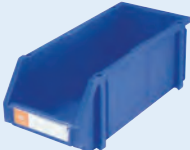
• Heavy steel profile uprights • Removable shelves • Easy and quick erection • Available in Grey or White

STORAGE BINS

Hanger Bins – Material: Polypropylene

Code	TKI-8301	TKI-8302	TKI-8303	TKI-8304	TKI-8305
Size (mm)	50H x 105W x 110L	75H x 105W x 140L	75H x 105W x 190L	125H x 140W x 220L	125H x 140W x 270L
Colour	Red	Blue	Yellow	Blue	Red
• Each Bin supplied with index label • All of the above Bins are designed to assemble (interlock) onto the Louvred Hanger Board, see KH-306 below					

Team Bins – Material: Polypropylene

									
Code	TKI-810	TKI-815	TKI-820	TKI-854	TKI-855				
Size (mm)	75H x 100W x 160L	124H x 150W x 240L	155H x 200W x 340L	177H x 200W x 450L	177H x 300W x 450L				
Colour	Yellow	Red	Blue	Blue	Blue				
• Optional Extra: Back Link Clips Code: EBTK0892 • Each Bin supplied with index label and four supporting poles for interlocking Bins vertically • Interlockable slots on either side ensure Bins are kept locked side by side					<table><tr><td>Code</td><td>EBTK0892</td></tr><tr><td colspan="2">Back Link Clips per 100</td></tr></table>	Code	EBTK0892	Back Link Clips per 100	
Code	EBTK0892								
Back Link Clips per 100									

Universal Team Bins – Material: • ABS Cabinet. • Polyethylene Drawers

Interlockable from left to right or top to bottom				
Code	TKI-301	TKI-302	TKI-304	
Cabinet Size (mm)	86H x 128W x 195D	86H x 128W x 195D	86H x 128W x 195D	
Drawers (included)	73H x 112W x 167D (1pcs)	35H x 116W x 167D (2pcs)	35H x 53W x 167D (4pcs)	
• Each Bin supplied with index label				c/w 64 small bins and 30 large bins. Small bin: 75H x 105W x 165L Large bin: 125H x 150W x 240L HL3201 Size: 940 x 500 x 1250mm

Document Cabinets – Material: • 0.7mm cold Steel Plate Cabinet • Polyethylene Drawers

Code	A4G-345	A4HG-10203	B4HG-10203	A4H-104	B4H-104
Cabinet Size (mm)	880H x 812W x 346D	360H x 260W x 346D	360H x 300W x 414D(mm)	360H x 260W x 346D	360H x 300W x 414D(mm)
Drawers (included)	45H x 230W x 326D (A4) (46pcs)	71H x 230W x 326D (A4) (2pcs) 45H x 230W x 326D (A4) (3pcs)	71H x 270W x 393D (B4) (2pcs) 45H x 270W x 393D (B4) (3pcs)	71H x 230W x 326D(A4) (4pcs)	71H x 270W x 393D (B4) (4pcs)

				
Code	RM-530	TR-4116		
Cabinet Size (mm)	880H x 900W x 420D Bins included 30 x TR-4116 (Bins) c/w 2 dividers per Bin Max dividers per Bin, 7	105H x 415W x 168D Spare Bins		
		TR-DIVIDER		
		Spare Dividers (3pcs)		
			• Anti-Slip Device • Flexible Spacing • Colour Labels (included)	

Louvred Board – Material:
0.7mm cold Steel Plate

Code	KH-306
Size (mm)	900W x 450H

UTILITY ROPES & CHAINS

Ropes



RMP-0615



RMP-1015H



RMP-420H



RCB-512



RPC-430



RS-55HP

Short Link Steel Chain



Code	Ø x Length	Type	Code	Ø x Length	Type	Code (30m)	Size Ø	Code (2m)	Size Ø
RMP-0615	6mm x 15m	Multipurpose	RPC-430	4mm x 30m	Para Cord	TOOC250	3mm	TOOC261	3mm
RMP-0823	8mm x 23m	Multipurpose	RS-55HP	5mm x 5m	Ski Rope	TOOC251	4mm	TOOC262	4mm
RMP-1030	10mm x 30m	Multipurpose	RS-510HP	5mm x 10m	Ski Rope	TOOC252	5mm	TOOC263	5mm
RMP-1215	12mm x 15m	Multipurpose	RS-530HP	5mm x 30m	Ski Rope	TOOC253	6mm	TOOC264	6mm
RMP-1015H	10mm x 15m	M/P on Reel	RS-710HP	7mm x 10m	Ski Rope	TOOC254	7mm	TOOC265	7mm
RMP-420H	4mm x 20m	M/P on Reel	RS-730HP	7mm x 30m	Ski Rope	TOOC255	8mm		
RMP-620H	6mm x 20H	M/P on Reel	RS-1015HP	10mm x 15m	Ski Rope	TOOC256	10mm		
RCB-512	5mm x 12m	Cotton Blend	RS-1030HP	10mm x 30m	Ski Rope				

• For Lifting Purposes

• Steel-Wire Electro-Galvanised

TIE DOWN STRAPPING

				
		2pcs	4pcs	12pcs
Code	RTD-25X5M/1P	RTD-25X5M/2P	RTD-25X5M/4P	TDK-12P
Strap size	25mm x 5m	25mm x 5m	25mm x 5m	2 x 25mm Tie Down Straps with buckle
Breaking Strain	500kg	500kg	500kg	2 x 2.5m x 25mm Tie Down Ratchet with Hook
Includes	1 x Ratchet Tie Down Strap with S Hooks	2 x Ratchet Tie Down Strap with S Hooks	2 x Ratchet Tie Down with Hooks + Tie Down Straps 2 Buckles	8 x 8mm Bungee Cords 400,600, 800,1000mm
				
		2pcs	5pcs	Bungee Cords
Code	RTD-50x6M/1P	RTD-38X5M/2P	TDK-5P	BC-8X800/2P
Strap size	50mm x 6m	38mm x 5m	3.5m x 25mm Tie Down strap 4 x 4.5mm	8mm x 800mm
Breaking Strain	1300kg	2000kg	Bungee Cords	BC-8X800/4P
Includes	1 x J Hooks	J Hook		8mm x 800mm
				BC-10X2000/2P
				10mm x 2000mm
				c/w 3.2mm Steel Hooks

GENERATORS



3-Phase Diesel Generators

Code	Power	ATS
GEN-25KVA-A	25kVA	Included
GEN-35KVA-A	35kVA	Included
GEN-44KVA-A	44kVA	Included
GEN-55KVA-A	55kVA	Included
GEN-66KVA-A	66kVA	Included
GEN-88KVA-A	88kVA	Included
GEN-110KVA-A	110kVA	Included



GEN-2800KW



TOOI512

Single Phase Petrol Generators

Code	Description
GEN-2800KW	2200W 230VAC - Recoil Start
GEN-5500KW	5.5KW 230VAC - Recoil Start/ Electric Start
TOOI512	2KW 230VAC Inverter- Recoil Start

Contact our Sales Team with your specific requirement to get a tailor made solution. Multiple engine/alternator and controller options can be selected according to your needs.

Note: Please confirm detailed specifications when placing your order.