

SECTION 9

TESTERS & METERS



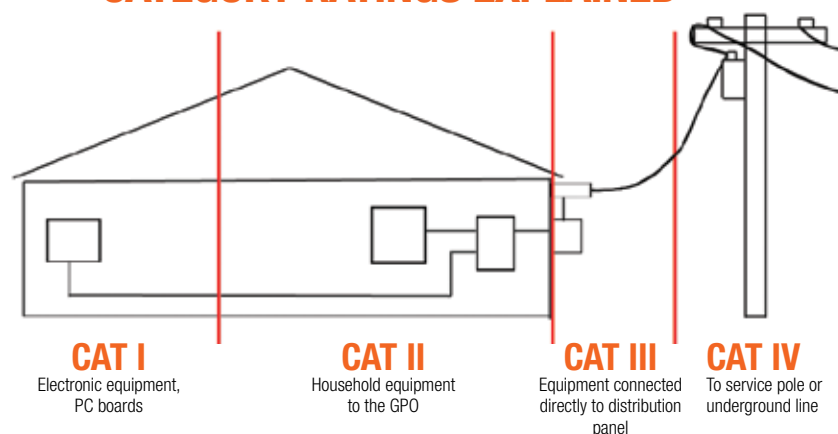
9



9.1 TESTERS AND METERS SELECTION CHART

	LCD Digits	LCD Count	Max AC Volt	Max DC Volt	Max AC Current	Max DC Current	Temperature Measurement	Battery Indication	Resistance	Continuity	Capacitance	Frequency	Diode Test	True RMS	Data Hold Function	Peak Hold	Logic Test	Overload Protection	Back Light	Auto Power Off	Auto Ranging	Min/Max	Bar Graph	NCV Indication	Input Buzzer Warning	Polarity	CAT Rating	Case Included
Multimeters																												
WAT115A	3 ¾	3999	600V	600V				•	40MΩ	•			•	•			•	•	•	•			•	•	•	•	CAT III 300V/ CAT II 600V	
WATDMM9001	3 ½	1999	750V	1000V	20A	20A		•	2000MΩ	•		•	•	•	•		•	•	•	•	•	•	•	•	•	•	CAT III 1000V	
WATDMM904	3 ¾	4000	600V	600V	200mA	200mA		•	40MΩ	•	•	•	•	•	•		•	•	•	•	•			•			CAT IV 600V/ CAT III 1000V	•
WAT044073	3 ¾	4200	600V	600V	300A			•	42MΩ	•			•	•	•		•	•	•	•	•					•	CAT III 300V/ CAT II 450V	•
WATQM-1500	3 ½	1999	750V	1000V		10A	-40°C to +1000°C	•	2000kΩ	•			•				•									•	CAT II 1000V	
WATQM-1020			1000V	1000V		10A			200kΩ	•			•											•			CAT II 1000V	
Clamp Meters																												
WATDCM1046	3 ¾	3999	600V	600V	400A		-35°C to +400°C	•	400Ω	•	•		•	•	•		•	•	•	•				•	•	•	CAT III 600V/ CAT III 300V	•
WATDCM1065	3 ½	1999	600V	600V	200A			•	200Ω	•	•	•	•	•	•		•	•	•	•				•	•	•	CAT III 600V	•
WATDCM2606	3 ½	3999	750V	1000V	1000A	1000A		•	40MΩ	•	•	•	•	•	•	•	•	•	•	•	•	•	•			•	CAT III 1000V	
WAT044073	3 ¾	4200	600V	600V	300A			•	42MΩ	•			•	•	•		•	•	•	•	•	•				•	CAT III 300V/ CAT II 450V	•
Insulation Testers																												
WATIRT2			1000V	1000V				•		•														•	•			•
WATAIT2			1000V	1000V				•	50MΩ	•								•						•	•		CAT III 600V	•
WATAIT3			1000V	1000V				•	50MΩ	•								•	•					•	•			•
WATDRCD1900		8888	240V			500mA									•		•						•				CAT III 300V	•
Voltage Testers																												
WAT050251			400V	750V						•					•											•	CAT IV 500V	
WAT050253			400V	750V						•					•			•								•	CAT IV 500V	
WAT050255	3		500V	750V				•		•					•											•	CAT IV 500V	
WATQP-2286			400V	690V				•		•	•	•		•			•	•						•	•	•	CAT III 690V	

CATEGORY RATINGS EXPLAINED



9.2 MULTIMETERS

9.2.1 POCKET DIGITAL MULTIMETER

Features

- Non-contact voltage indicator with sound
- Pocket sized
- Convenient built-in case for easy storage of test leads
- Built-in test stand and auto power off
- Auto-ranging, overload protection and bargraph display
- Supplied with operating instructions

Specifications

Part No: WAT115A



Technical Data	
Display count:	3 ½ digit, 3400
AC volt:	3.4V, 34V, 340V, 600V
DC volt:	340mV, 3.4V, 34V, 340V, 600V
Resistance:	340Ω, 3.4kΩ, 34kΩ, 340kΩ, 3.4MΩ, 34MΩ
Continuity:	340Ω (audio visual)
Diode test:	2V
NCV indication:	70V – 600V
Category rating:	CAT III 300V
Dimensions:	125 x 60 x 24mm
Weight:	100g (including batteries)

9.2.2 DIGITAL MULTIMETER

Features

- Pocket sized multimeter with non-contact voltage detection
- Auto ranging and auto power off
- Test probes can be attached to back of meter when not in use
- With battery indication and handy light for dim areas
- Supplied with test leads, battery, carry case and operating instructions

Specifications

Part No: WATDMM904

MADE IN SWEDEN



Technical Data	
Display count:	3 ¾ digit, 4000
AC volt:	4V – 600V
DC volt:	400mV – 600V
AC current:	400μA – 200mA
DC current:	400μA – 200mA
Resistance:	400Ω – 40MΩ
Capacitance:	4nF – 200μF
Frequency:	10Hz – 10kHz
NCV indication:	4V – 600V
Category rating:	CAT IV 600V, CAT III 1000V
Dimensions:	104 x 55 x 33mm
Weight:	145g

9.2 MULTIMETERS

9.2.3 AC/DC DIGITAL MULTIMETER

Features

- Hand held digital meter with ruggedised body for shock protection
- Fuse protected for use up to 20A
- Safety input jacks
- Overload protection
- Wrong input buzzer warning
- Supplied with test leads, spare fuse and operating instructions

Specifications

Part No: WATDMM9001

Accessories	
Part No	Description
WATTL5	Spare Test Leads Set
WATLEAD1027	Spare Test Leads

Technical Data	
Display count:	3 ½ digit, 1999
AC volt:	200mV, 2V, 20V, 200V, 750V
DC volt:	200mV, 2V, 20V, 200V, 1000V
AC current:	200µA, 2mA, 20mA, 200mA, 2A, 20A
DC current:	200µA, 2mA, 20mA, 200mA, 2A, 20A
Resistance:	200Ω, 2kΩ, 20kΩ, 200kΩ, 2MΩ, 20MΩ, 200MΩ
Continuity:	100Ω (audio visual)
Diode test:	2V
Frequency:	2kHz, 20kHz, 40kHz
Category rating:	CAT III 1000V
Dimensions:	198 x 90 x 44mm
Weight:	400g (including batteries)



9.2.4 DIGITAL MULTIMETER

Features

- Pen-type multimeter with AC current transducer
- Auto-ranging and low battery warning
- Robust housing due to integrated protective rubber frame
- IEC 61010-1, IP30 rating
- Max jaw opening: 30mm
- Supplied with test leads, protective carry case, batteries and instructions

Specifications

Part No: WAT044073

MADE IN GERMANY

Technical Data	
Display count:	3 ¾ digit, 4200
AC volt:	4.2V, 42V, 420V, 600V
DC volt:	4.2V, 42V, 420V, 600V
AC current:	300A
Resistance:	420Ω, 4.2kΩ, 42kΩ, 420kΩ, 4.2MΩ, 42MΩ
Continuity test:	50Ω (audio visual)
Diode test:	1V
Category rating:	CAT III 300V
Dimensions:	145 x 52 x 34mm (without transducer) 225 x 77 x 35mm (with transducer)
Weight:	100g (without transducer), 230g (with transducer)



9.2 MULTIMETERS

9.2.5 DIGITAL MULTIMETER

Features

- Ideal as a first multimeter
- Compact size
- Transistor and battery test
- Overload protection
- Low battery indication
- Supplied with test leads and operating instructions

Specifications

Part No: WATQM-1500



Technical Data	
Display count:	3 1/2 digit, 1999
AC volt:	200V, 750V
DC volt:	200mV, 2V, 20V, 200V, 1000V
DC current:	200 μ A, 2000 μ A, 20mA, 200mA, 10A
Resistance:	200 Ω , 2000 Ω , 20k Ω , 200k Ω , 2000k Ω
Continuity:	< 70 Ω (audio visual)
Diode test:	2.4V
Temperature:	K-Type thermocouple (-40°C to +1000°C)
Category rating:	CAT II 500V
Dimensions:	150 x 70 x 24mm
Weight:	150g

9.2.6 ANALOGUE MULTIMETER

Features

- Easy to read three colour scale for error-proof readings
- 9k Ω /V AC and 20k Ω /V DC sensitivity
- With built-in test stand
- Transistor test
- Fuse and diode protection
- Supplied with test leads, batteries and operating instructions

Specifications

Part No: WATQM-1020



Technical Data	
AC volt:	10V, 50V, 250V, 1000V
DC volt:	0.1V, 0.5V, 2.5V, 10V, 50V, 250V, 1000V
DC current:	50 μ A, 2.5mA, 25mA, 0.25A, 10A
Resistance:	20 Ω , 200 Ω , 2k Ω , 20k Ω , 200k Ω
Continuity:	< 120 Ω (audio visual)
Category rating:	CAT II 1000V
Dimensions:	148 x 100 x 35mm
Weight:	280g

9.2 MULTIMETERS

9.2.7 TEST LEADS SET FOR MULTIMETERS AND CLAMP METERS

Features

- Test leads suitable for WATDMM and WATDCM meters
- Test leads also suit WATDRCD1900 digital RCD tester

Specifications

Part No: WATTLS



9.3 CLAMP METERS

9.3.1 MINI DIGITAL CLAMP METER

Features

- Clamp meter with non-contact voltage detection
- True RMS and auto power off
- Auto-ranging, overload protection and data hold function
- Handy backlight for dim areas
- Allows you to take temperature measurements up to 400°C
- Max jaw opening size: 30mm
- Supplied with test leads, carry case and operating instructions

Specifications

Part No: WATDCM1046



Accessories	
Part No	Description
WATTLS	Spare Test Leads Set
WATLEAD10612	Spare Test Leads

Technical Data	
Display count:	3 ¾ digit, 3999
AC volt:	4V, 40V, 400V, 600V
DC volt:	4V, 40V, 400V, 600V
AC current:	40A, 400A
Resistance:	400Ω
Continuity:	400Ω (audio visual)
Capacitance:	4μF, 40μF, 400μF, 4mF
Temperature:	K-Type thermocouple (–35°C to +400°C)
NCV indicator:	24V – 600V
Category rating:	CAT III 600V, CAT III 300V
Dimensions:	200 x 65 x 39mm
Weight:	200g

9.3 CLAMP METERS

9.3.2 MULTIFUNCTION DIGITAL METER

Features

- Clamp meter with non-contact voltage detection
- True RMS and auto power off
- Overload protection and data hold function
- Max jaw opening size: 38mm
- Supplied with test leads, carry case and operating instructions

Specifications

Part No: WATDCM1065

Accessories	
Part No	Description
WATTLS	Spare Test Leads Set
WATLEAD10612	Spare Test Leads

Technical Data	
Display count:	3 ½ digit, 1999
AC volt:	200V, 600V
DC volt:	20V, 200V, 600V
AC current:	200A
Resistance:	200Ω, 200kΩ
Continuity:	100Ω (audio visual)
Diode test:	3V
Capacitance:	200μF
Frequency:	2kHz, 20kHz, 40kHz
NCV indication:	24V – 600V
Category rating:	CAT III 600V
Dimensions:	260 x 83 x 43mm
Weight:	300g (including batteries)



9.3.3 DIGITAL CLAMP MULTIMETER

Features

- Ruggedised body for shock protection
- Auto-ranging and auto power off
- Data hold and overload protection on all ranges
- True RMS
- Max jaw opening size: 57mm
- Supplied with test leads, carry case and operating instructions

Specifications

Part No: WATDCM2606

Accessories	
Part No	Description
WATTLS	Spare Test Leads Set
WATLEAD1027	Spare Test Leads

Technical Data	
Display count:	3 ½ digit, 3999
AC volt:	400mV, 4V, 40V, 400V, 750V
DC volt:	400mV, 4V, 40V, 400V, 1000V
AC current:	400A, 1000A
DC current:	400A, 1000A
Resistance:	400Ω, 4kΩ, 40kΩ, 400kΩ, 4000kΩ, 40MΩ
Continuity:	400Ω (audio visual)
Diode test:	4V
Capacitance:	4nF, 40nF, 400nF, 4μF, 40μF
Frequency:	100Hz, 1kHz, 10kHz, 100kHz, 400kHz
Category rating:	CAT III 1000V
Dimensions:	277 x 102 x 49mm
Weight:	540g (including batteries)



9.3 CLAMP METERS

9.3.4 DIGITAL MULTIMETER

Features

- Pen-type multimeter with AC current transducer
- Auto-ranging and low battery warning
- Robust housing due to integrated protective rubber frame
- IEC 61010-1, IP30 rating
- Max jaw opening: 30mm
- Supplied with test leads, protective carry case, batteries and instructions

Specifications

Part No: WAT044073

MADE IN GERMANY



Technical Data	
Display count:	3 ½ digit, 4200
AC volt:	4.2V, 42V, 420V, 600V
DC volt:	4.2V, 42V, 420V, 600V
AC current:	300A
Resistance:	420Ω, 4.2kΩ, 42kΩ, 420kΩ, 4.2MΩ, 42MΩ
Continuity test:	50Ω (audio visual)
Diode test:	1V
Category rating:	CAT III 300V
Dimensions:	145 x 52 x 34mm (without transducer) 225 x 77 x 35mm (with transducer)
Weight:	100g (without transducer), 230g (with transducer)

9.4 INSULATION TESTERS

9.4.1 ANALOGUE INSULATION TESTER

Features

- Solid state circuitry and automatic circuit discharge
- Colour coded analogue scale with three megohm voltages
- Fuse protected, portable and self-contained insulation tester
- Battery check feature and live circuit indication
- Locates intermittent shorts, defective electrical connections and insulation breakdowns due to temperature, moisture, abrasion and corrosion
- Supplied with test leads, batteries, hard case and operating instructions

Specifications

Part No: WATIRT2

Accessories	
Part No	Description
WATATL135	Spare Test Leads

Technical Data				
INSULATION RESISTANCE				
Test voltage:	(2Ω midscale)	250V	500V	1000V
Measuring range:	(0–50Ω)	0–50MΩ	0–100MΩ	0–200MΩ
Midscale value:		1MΩ	2MΩ	4MΩ
Output voltage on open circuit:	+600DCmV	250V DC (±10%)	500V DC (±10%)	1000V DC (±10%)
Short circuit terminal current:	170DCmA	2DCmA	2DCmA	2DCmA
Accuracy:	+/-5% of indicated value			
Dimensions:	170 x 210 x 90mm			
Weight:	1 kg			



9.4 INSULATION TESTERS

9.4.2 ANALOGUE INSULATION RESISTANCE TESTER

Features

- Expanded insulation and continuity scales for easy reading
- Incorporates front panel ohms zero adjust
- Live circuit indication and designed to meet IEC 1010-1 specifications
- Robust style and dual purpose holding case
- Fuse protected and battery check facility
- Supplied with fuse, test leads, batteries, hard case and operating instructions

Specifications

Part No: WATAIT2

Accessories	
Part No	Description
WATATL70	Spare Test Leads

Technical Data			
INSULATION RESISTANCE			
Test voltage:	250V	500V	1000V
Measuring range:	0–100M Ω	0–200M Ω	0–400M Ω
Output current:	1mA @ 0.25M Ω	1mA @ 0.5M Ω	1mA @ 1M Ω
Output voltage on open circuit:	250V DC (\pm 10%)	500V DC (\pm 10%)	1000V DC (\pm 10%)
Short circuit terminal current:	1.3mA	1.3mA	1.3mA
Accuracy:	+ / –5% of indicated value		
CONTINUITY RESISTANCE			
Measuring range:	20 Ω		
Output voltage on open circuit:	4–9V		
Short circuit terminal current:	200mA min		
Accuracy:	+ / –3% of scale length		
Category rating:	CAT III 600V		
Dimensions:	170 x 210 x 90mm		
Weight:	1 kg		



9.4.3 ANALOGUE INSULATION TESTER

Features

- Offers backlight function for dimly lit areas
- Solid state circuitry and automatic circuit discharge
- Fuse protected and battery check facility
- Colour coded analogue scale with three megohm voltages
- Portable and designed to meet IEC 364-6-61 specifications
- Supplied with test leads, hard case, lead pouch, batteries and instructions

Specifications

Part No: WATAIT3

Accessories	
Part No	Description
WATATL135	Spare Test Leads

Technical Data			
INSULATION RESISTANCE			
Test voltage:	250V	500V	1000V
Measuring range:	0–100M Ω	0–200M Ω	0–400M Ω
Midscale value:	1M Ω	2M Ω	4M Ω
Output voltage on open circuit:	250V DC ($\pm 10\%$)	500V DC ($\pm 10\%$)	1000V DC ($\pm 10\%$)
Output voltage:	250V/0.25M Ω	500V/0.5M Ω	1000V/1M Ω
Output current:	1mA/0.25M Ω	1mA/0.5M Ω	1mA/1M Ω
Output short circuit current:	1.3mA	1.3mA	1.3mA
Accuracy:	+/-5% of indicated value		
Dimensions:	170 x 115 x 85mm		
Weight:	1 kg		



9.4 INSULATION TESTERS

9.4.4 DIGITAL RCD TESTER

Features

- Digital RCD tester with analogue bar graph and overload protection
- Microprocessor controlled and 360° angle indicator
- LEDs verify correct wiring
- No trip, trip and fast trip functions
- Displays trip time in milliseconds
- Supplied with power cable, hard case and operating instructions

Specifications

Part No: WATDRCD1900

Technical Data	
Display count:	8888
AC current:	10mA, 20mA, 30mA, 100mA, 300mA, 500mA
DC volt:	240V
Fault trip time:	2000ms
Maximum input voltage:	370V peak
Category rating:	CAT III 300V
Dimensions:	170 x 115 x 85mm
Weight:	800g



9.5 VOLTAGE TESTERS

9.5.1 COMPACT VOLTAGE TESTER

Features

- Two-pole voltage tester with visual display designed to test voltages of 12–400V AC and 12–750V DC
- Voltage tester with load connection
- Data hold function
- On the spot exact illumination dimmer test points
- IEC/EN 61243–3, DIN VDE 0682–401 approved
- Supplied with batteries and operating instructions

Specifications

Part No: WAT050251

Accessories	
Part No	Description
WAT010910	Carry Case

MADE IN GERMANY

Technical Data	
Indication:	LED
AC volt:	12–400V
DC volt:	12–750V
Category rating:	CAT IV 500V
Continuity:	0 – 90k Ω
Polarity test:	LED
Load connection via push buttons:	I _S < 200mA (750V DC)
Connecting cable length:	900mm
Protection class:	IP64 (dust-proof/ splash-proof)
Dimensions:	250 x 60 x 25mm
Weight:	160g



9.5 VOLTAGE TESTERS

9.5.2 EXPERT VOLTAGE TESTER

Features

- Two-pole voltage tester with visual display designed to test voltages of 12–400V AC and 12–750V DC
- Voltage and continuity tester with load connection, phase sequence indication and switching load
- Data hold function
- On the spot exact illumination dimmer test points
- Additional vibrating alarm for safe voltage detection
- IEC/EN 61243–3, DIN VDE 0682–401 approved
- Supplied with batteries and operating instructions

MADE IN GERMANY

Specifications

Part No: WAT050253

Accessories	
Part No	Description
WAT010910	Carry Case

Technical Data	
Indication:	LED/LCD
AC volt:	12–400V
DC volt:	12–750V
Category rating:	CAT IV 500V
Continuity:	108k Ω
Polarity test:	LED
Phase sequence indication:	LCD
Single pole phase test:	LCD
Load connection via push buttons:	I _S < 200mA (750V DC)
Connecting cable length:	900mm
Protection class:	IP64 (dust-proof/ splash-proof)
Dimensions:	250 x 60 x 25mm
Weight:	200g



9.5.3 DIGITAL PLUS VOLTAGE TESTER

Features

- Two-pole voltage tester with visual display designed to test voltages of 5–500V AC and 1.5–750V DC
- Voltage tester with load connection, phase sequence indication and switching load
- Data hold function
- On the spot exact illumination dimmer test points
- Additional vibrating alarm for safe voltage detection
- IEC/EN 61243–3, DIN VDE 0682–401 approved
- Supplied with batteries and operating instructions

MADE IN GERMANY

Specifications

Part No: WAT050255

Accessories	
Part No	Description
WAT010910	Carry Case

Technical Data	
Display count:	3 digit
Indication:	LCD
AC volt:	5–500V
DC volt:	1.5–750V
Category rating:	CAT IV 500V
Polarity test:	LCD
Phase sequence indication:	LCD
Single pole phase test:	LCD
Load connection via push buttons:	I _S < 200mA (750V DC)
Frequency:	0–150Hz
Connecting cable length:	900mm
Protection class:	IP64 (dust-proof/ splash-proof)
Dimensions:	250 x 60 x 25mm
Weight:	200g



9.5 VOLTAGE TESTERS

9.5.4 ELECTRICAL VOLTAGE TESTER

Features

- Two-pole voltage tester with visual display designed to test voltages of 12-400V AC and 12-690V DC
- Voltage and continuity tester with load connection, phase sequence indication, low impedance and rotary field indication
- With built-in light for dim areas
- Double moulded plastic housing
- IEC/EN 61243-3 approved
- Supplied with batteries and operating instructions

Specifications

Part No: WATQP-2286

Technical Data	
Indication:	LED
AC volt:	12-400V
DC volt:	12-690V
Continuity test:	< 400k Ω
Polarity test:	LED
Phase sequence indication:	LED
Single pole phase test:	LED
Load connection via push buttons:	I _s < 0.2A
Connecting cable length:	900mm
Protection class:	IP64 (dust-proof/ splash-proof)
Category rating:	CAT III 690V
Dimensions:	240 x 78 x 40mm
Weight:	237g



9.5.5 TEST SCREWDRIVERS/VOLTAGE TESTERS

Features

- Screwdriver voltage testers
- With metal clip for added convenience (except WAT669C)
- Screwdrivers are fully functional voltage testers



Specifications			
Part No	Type	Length	Voltage Range
WAT610C	Slotted	115mm	220-250V
WAT630A	Slotted	140mm	220-250V
WAT669C	Slotted	190mm	220-250V
WAT24090	Slotted	153mm	150-250V



MADE IN GERMANY



9.5.6 CARRY CASE FOR VOLTAGE TESTERS

Features

- Stores one DUSPOL® tester
- Suitable for compact, expert and digital plus voltage testers
- Black colour

Specifications

Part No: WAT010910

Size: 300 x 120mm

MADE IN GERMANY



9.6 OTHER TESTERS

9.6.1 VS3 TRACKER/TROUBLESHOOTER

Features

- Designed for fault tracing and fuse detection in 230V single phase applications during maintenance and repair
- Tests the following functions: outlet configuration, phase connections, fuse connections, connection checks and RCD tests
- Data hold function and auto power off
- Low battery indication
- Handy backlight for dim areas
- Supplied with transmitter, receiver, power cord, batteries and operating instructions

Specifications

Part No: WATVS3

MADE IN SWEDEN

Technical Data	
TRANSMITTER	
Power:	2 x AA batteries
Operating range:	200-240V
Frequency range:	40-65Hz
Category rating:	CAT II 300V
Dimensions:	180 x 60 x 45mm
Weight:	200g
RECEIVER	
Power:	2 x AA batteries
Display:	128 x 64 pixels
Category rating:	CAT III 600V
Dimensions:	195 x 60 x 37mm
Weight:	210g



9.6.2 POWER POINT AND EARTH LEAKAGE TESTER

Features

- Tester checks most types of power points for correct wiring and whether the earth leakage circuit breaker trips from each power point
- Displays the following faults: no earth connected, no neutral connected, no active connected, active and neutral reversed, and active and earth reversed
- Tests power points within 230-240V AC
- For indoor use only, complies with AS/NZS 3100 specifications
- Earth leakage circuit breaker trips settings: 10mA, 15mA, 30mA, 100mA
- Supplied with 10 amp moulded plug and operating instructions

Specifications

Part No: WATQP-2000

Description: Power Point and Earth Leakage Tester

Dimensions: 65 x 90 x 32mm

Weight: 250g

Length of cord: 40mm



9.6 OTHER TESTERS

9.6.3 LUX & FC LIGHT METER

Features

- Accurately displays light level in terms of footcandles (fc) or lux over wide ranges
- Data hold function and auto power off
- Low battery indication
- Pocket sized and lightweight
- Includes an integrated stand
- Supplied with carry case and operating instructions

Specifications

Part No: WATQM-1587

Technical Data	
Display count:	3 ½ digit, 1999
Measuring range:	200, 2000, 20000, 50000 lux/fc
Dimensions:	188 x 64 x 25mm
Weight:	160g



9.6.4 WIRELESS ENERGY CONTROL MONITOR

Features

- Allows for the measurement of electricity consumption of single or several appliances over days, weeks, months and years
- Quick and easy to install
- Also displays current time and temperature
- Accommodates 30mm diameter max cable size
- Allows you to monitor, control and save electricity
- Supplied with energy monitor, sensor clamp, USB cable, power adaptor, transmitter unit and operating instructions

Specifications

Part No: WATMS-6155

Accessories	
Part No	Description
WATMS-6156	Spare Sensor

Technical Data	
Frequency:	433MHz
Display unit dimensions:	140 x 90 x 70mm
Sensor unit dimensions:	120 x 70 x 30mm



9.7 VOLT STICKS

9.7.1 VOLT STICK

Features

- Tests for the presence of AC voltage in cables, wall sockets, switches etc without metal contact
- Pocket sized non-contact voltage sensor with light and sound indication
- Beeping sound indicates live wire
- Fully insulated body and safety hand guard
- Still illuminates at low battery charge; no sound means change batteries
- New positive screw cap

Specifications

Part No: WATVS

MADE IN SWEDEN



Technical Data	
Voltage range:	230–1000V AC
Sensitivity:	Indicates within 4mm of wire carrying 230V AC
Power supply:	2 standard AAA batteries (included)
Category rating:	CAT III 1000V AC
Material:	Pa6, PP-COP
Dimensions:	146 x 18mm
Weight:	40g

Caution: Only to be used by a competent person. Prove on known live before and after testing.
Does not detect voltage in all circumstances

9.7.2 VOLT STICK FLAT TIP

Features

- Tests for the presence of AC voltage in cables, wall sockets, switches etc without metal contact
- Pocket sized non-contact voltage sensor with light and sound indication
- Now with flat tip; tip fits into standard power point
- Beeping sound indicates live wire
- Still illuminates at low battery charge; no sound means change batteries
- New positive screw cap, fully insulated body and safety hand guard

Specifications

Part No: WATVSFT

MADE IN SWEDEN



Technical Data	
Voltage range:	230–1000V AC
Sensitivity:	Indicates within 4mm of wire carrying 230V AC
Power supply:	2 standard AAA batteries (included)
Category rating:	CAT III 1000V AC
Material:	Pa6, PP-COP
Dimensions:	146 x 18mm
Weight:	40g

Caution: Only to be used by a competent person. Prove on known live before and after testing.
Does not detect voltage in all circumstances

9.7 VOLT STICKS

9.7.3 VOLT STICK AND MAGNET STICK TWIN PACK

Features

- Volt stick and magnet stick twin pack
- Volt stick tests for the presence of AC voltage in cables, wall sockets, switches etc without metal contact
- Non-contact voltage sensor with buzzer and light indication
- Magnet stick checks magnetic fields quickly and easily, and tests solenoid valves and relays
- Magnet stick responds to all kinds of magnetic fields for AC to DC and permanent magnets
- Test magnet included with magnet stick

Specifications

Part No: WATVSTWINPK

MADE IN SWEDEN

Technical Data	
Voltage range:	230–1000V AC
Sensitivity:	4mm of wire carrying 230V AC (volt stick) 300 gauss (magnet stick)
Power supply:	2 standard AAA batteries each
Category rating:	CAT III 1000V AC
Material:	Pa6, PP-COP
Dimensions:	146 x 18mm (volt stick) 152 x 17mm (magnet stick)
Weight:	80g

Caution: Only to be used by a competent person. Prove on known live before and after testing.
Does not detect voltage in all circumstances



9.7.4 VOLT STICK PRO

Features

- Checks the presence of an AC voltage in cables, wall sockets and switches without metal contact
- Unique fork tip glows red when voltage is detected, eliminating the risk of false indication
- Differentiates between live and neutral in a 1-to-3 phase installation
- Earthed outlets with anti-tamper can be checked with the supplied adaptor (found in cap)
- Used to check circuit breaker functionality and locate breaks in insulated cables
- Used to detect live cables in junction boxes and equipment cabinets

Specifications

Part No: WATVSPRO

MADE IN SWEDEN

Technical Data	
Voltage range:	12–600V AC, 50–60Hz
Sensitivity:	Indicates from 12V AC in the forked tip
Power supply:	2 standard AAA batteries (included)
Category rating:	CAT III 1000V AC
Material:	Pa6, PP-COP
Dimensions:	146 x 22mm
Weight:	40g

Caution: Only to be used by a competent person. Prove on known live before and after testing.
Does not detect voltage in all circumstances



9.7 VOLT STICKS

9.7.5 VOLT STICK PRO 230

Features

- Unique forked tip gives unsurpassed sensitivity and reduces the risk of false indication
- Live cables can be easily detected in equipment enclosures, fuse boxes etc
- Extremely safe when measuring in junction boxes
- Tip glows red when voltage is detected
- Adaptor for measuring on larger objects is included
- Fully insulated for safe use

Specifications

Part No: WATVSP230

MADE IN SWEDEN

Technical Data	
Voltage range:	230–1000V AC, 50–60 Hz
Sensitivity:	Indicates within 4mm of wire carrying 230V AC
Power supply:	2 standard AAA batteries (included)
Category rating:	CAT III 1000V AC
Material:	Pa6, PP-COP
Dimensions:	151 x 18mm
Weight:	50g

Caution: Only to be used by a competent person. Prove on known live before and after testing.
Does not detect voltage in all circumstances



9.7.6 INTRINSICALLY SAFE VOLT STICK

Features

- Pocket sized non-contact voltage sensor with light indication
- Safely checks for the presence of AC voltage in cables, wall sockets, switches etc without metal contact
- Locates breaks in cables and detects blown fuses
- Distinguishes between live and neutral wires in both single phase and three phase supply
- Safety hand guard prevents contact with dangerous cable
- Approved for use in explosive environment (IEC Ex NEM 07.0001)

Specifications

Part No: WATVS660–642

MADE IN SWEDEN

Technical Data	
Voltage range:	230–1000V AC
Sensitivity:	Indicates within 4mm of wire carrying 230V AC
Power supply:	2 standard AAA batteries (included)
Category rating:	CAT III 1000V AC
Approvals:	Ex ib IIC T4, IEC 61010–1, IEC 900
Material:	Radilon–S Hs (a), BE 170MO
Dimensions:	151 x 18mm
Weight:	40g

Caution: Only to be used by a competent person. Prove on known live before and after testing.
Does not detect voltage in all circumstances



9.7 VOLT STICKS

9.7.7 50V VOLT STICK

Features

- Tests for the presence of AC voltage in cables, wall sockets, switches etc without metal contact
- Pocket sized non-contact voltage sensor with light indication
- Tip glows red when voltage is detected
- Fully insulated for safe use
- Safety hand guard prevents contact with dangerous cable
- Approved for use in explosive environments (IEC Ex NEM 07.0001)

Specifications

Part No: WATVS-LV50

MADE IN SWEDEN



Technical Data	
Voltage range:	50-1000V AC
Sensitivity:	Indicates within 4mm of wire carrying 50V AC
Power supply:	2 standard AAA batteries (included)
Category rating:	CAT III 1000V AC
Material:	Pa6, PP-COP
Dimensions:	145 x 18mm
Weight:	35g

Caution: Only to be used by a competent person. Prove on known live before and after testing. Does not detect voltage in all circumstances

9.7.8 MAGNET FIELD INDICATOR

Features

- Easy to use non-metallic sensor tests for the presence of magnetic fields
- Responds to all kinds of magnetic fields, such as alternating current, direct current and permanent magnets
- Easy to use
- For testing solenoid valves in pneumatic and hydraulic control equipment
- Tip glows red when magnet field is detected
- Also tests relays with coils and electrically controlled solenoid valves
- Test magnet included in cap

Specifications

Part No: WATMT702

MADE IN SWEDEN



Technical Data	
Sensitivity:	300 gauss (0.3mT)
Functional check:	Test magnet included
Power supply:	2 standard AAA batteries (included)
Category rating:	CAT III 1000V AC
Material:	Pa6, PP-COP
Dimensions:	152 x 17mm
Weight:	40g