

# ***Multimetrix***

Simple measurement at the best price

# 2023

Universal Test & Measurement  
Electrical Safety Testers  
Other Measurements  
Laboratory Instruments

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## Pocket multimeters

### 100 A to 600 A

#### ◆ Auto-ranging



		CM 604
Clamping diameter		30 mm
Display		4,000 counts, backlight
Measurement type		AVG
I <sub>AC</sub>	Ranges	40 A / 400 A
	Basic accuracy	2.5% of reading + 10 cts 5% to 100% of the range
	Best resolution	0.01 A
V <sub>DC</sub>	Ranges	400 mV / 4 V / 40 V / 400 V / 600 V
	Basic accuracy	0.5% of reading + 5 cts
	Best resolution	0.1 mV
V <sub>AC</sub>	Ranges	4 V / 40 V / 400 V / 600 V (50 Hz - 1 kHz)
	Basic accuracy	1.2% of reading + 5 cts 5% to 100% of the range
	Best resolution	0.001 V
Resistance	Ranges	400 Ω / 4 kΩ / 40 kΩ / 400 kΩ / 4 MΩ / 40 MΩ
	Basic accuracy	1.2%L + 5 cts
	Best resolution	0.1 Ω
NCV (EF)		Oui
Frequency (V)		4 Hz / 40 Hz / 400 Hz / 4 kHz / 10 kHz
Continuity (with buzzer)		Yes (< 50 Ω)
Diode test		Yes
Capacitance		4 nF / 40 nF / 400 nF / 4 μF / 40 μF 400 μF / 4 mF
Temperature		-18°C ... +1000°C (K thermocouple)
Other features		Min/Max / Data Hold Automatic power-off (15 min.), deactivatable Torch function (lighting of measurement point)
Dimensions / weight		75 x 35 x 225 mm / 295 Gr
Safety		600V CAT III
Accessories supplied		1 set of red/black test leads, 3 x 1.5 V AAA / LR03 batteries, 1 K thermocouple and 1 bag



		CM 610	CM 625
Clamping diameter		30 mm	
Display		2,000 counts	4,300 counts
Measurement type		TRMS AC/DC	
I <sub>DC</sub>	Ranges		40 A / 400 A
	Basic accuracy	-	1.5 % + 5 cts
	Best resolution		0.01 A
I <sub>AC</sub>	Ranges	200 A / 600 A	40 A / 400 A
	Basic accuracy	1.9 % + 5 cts	1.5 % + 5 cts
	Best resolution	0.1 A	0.01 A
V <sub>DC</sub>	Ranges	200 mV / 2 V / 20 V / 200 V / 600 V	4 V / 40 V / 400 V / 600 V
	Basic accuracy	0.7 % + 3 cts	0.75 % + 2 cts
	Best resolution	0.1 mV	1 mV
V <sub>AC</sub>	Ranges	2 V / 20 V / 200 V / 600 V	4 V / 40 V / 400 V / 600 V
	Basic accuracy	1.5 % + 5 cts	1 % + 5 cts
	Best resolution	1 mV	
Resistance	Ranges	200 Ω / 2 kΩ / 20 kΩ / 200 kΩ / 2MΩ / 20 MΩ	400 Ω / 4 kΩ / 40 kΩ / 400 kΩ / 4MΩ / 40 MΩ
	Basic accuracy	1.5 % + 5 cts	0.9 % + 2 cts
	Best resolution	0,1 Ω	
Continuity	Threshold	90 Ω	50 Ω
	Protection	600 V <sub>RMS</sub>	
Diode test		Yes	-
Automatic zero adjustment		-	Yes
Other features		MAX	HOLD
Dimensions / weight		189 x 71 x 37 mm / 200 g	189 x 71 x 37 mm / 220 g
Safety		300 V CAT III according to IEC 61010-1, IEC 61010-2-032	
Accessories supplied		1 carrying bag, 1 set of red/black test-probe leads and 2 x 1.5 V LR3/AAA batteries	



#### ◆ CM 604

To order  
P06232009Z



#### ◆ CM 610

To order  
P06232002



#### ◆ CM 625

To order  
P06232003

# Universal Test & Measurement

## Digital multimeters

		CM 605	
Clamping diameter		12.5 mm	
Display		10,000 counts	
Measurement type		AVG	
$I_{AC} / I_{DC}$	Ranges	10 A / 80 A / 100 A	
	Basic accuracy	2 % (AC)	2.5 % (DC)
	Best resolution	1 mA	
$V_{AC} / V_{DC}$	Ranges	600 V RMS	
	Basic accuracy	1.5 % (AC)	1 % (DC)
	Best resolution	0.1 V	
Resistance	Ranges	10 k $\Omega$	
	Basic accuracy	1 %	
	Best resolution	1 $\Omega$	
Continuity	Threshold	50 $\Omega$	
	Protection	600 V RMS	
Automatic zero adjustment		Yes	
Other features		Analogue output: 10 mV/A AC or DC, 4.5 % + 0.5 mV, 20 kHz à $\pm$ 3 dB, Z = 3 k $\Omega$ HOLD / PEAK (peak value)	
Dimensions / weight		202 x 70 x 34 mm / 180 g	
Safety		300 V Cat. III selon IEC 61010-1, IEC 61010-2-032	
Accessories supplied		1 carrying bag, 1 set of red/black test-probe leads and 2 x 1.5 V LR3/AAA batteries	



♦ **CM 605**

To order  
**P06232007**

## Digital multimeters



		DMM 54
Display		4,000 counts, backlit
Measurement type		3 measurements / s
I <sub>DC</sub>	Ranges	400 µA / 4000 µA / 40 mA / 400 mA / 4 A / 10 A
	Basic accuracy	1% of reading + 5 cts
	Best resolution	0.1 µA
I <sub>AC</sub>	Ranges	400 µA / 4000 µA / 40 mA / 400 mA / 4 A / 10 A (50 Hz - 400 Hz)
	Basic accuracy	1% of reading + 5 cts from 5% to 100% of range
	Best resolution	0.1 µA
V <sub>DC</sub>	Ranges	400 mV / 4 V / 40 V / 400 V / 600 V
	Basic accuracy	0.5% of reading + 8 cts
	Best resolution	0.1 mV
V <sub>AC</sub>	Ranges	4 V / 40 V / 400 V / 600 V (50 Hz - 1 kHz)
	Basic accuracy	1.2% of reading + 3 cts from 5% to 100% of range
	Best resolution	0.001 V
Resistance	Ranges	400 Ω / 4 kΩ / 40 kΩ / 400 kΩ / 4 MΩ / 40 MΩ
	Basic accuracy	1.2% of reading + 5 cts
	Best resolution	0.1 Ω
NCF (EF)		Oui
Electrical frequency (V)		4 Hz / 40 Hz / 400 Hz / 4 kHz / 10 kHz (V > 15V)
Electronic frequency (V)		2,000 Hz .. 10 MHz
Continuity (with buzzer)		Yes (< 50 Ω)
Diode test		Yes
Capacitance		4 nF / 40 nF / 400 nF / 4 µF / 40 µF / 400 µF / 4 mF
Temperature		- 18 °C ... + 1000 °C (K thermocouple) 0 ... 1832 °F
Frequency		4 Hz / 40 Hz / 400 Hz / 4 kHz / 10 kHz (V > 15V)
Duty cycle		-
Range selection		Automatic / Manual
Other features		Min/Max / Data Hold / REL Automatic power-off (15 min.), deactivatable
Safety		600 V CAT III
Dimensions / Weight		154 x 74 x 43 mm / 210 g
Accessories supplied		1 set of Ø2 mm dual mode CAT II / CAT III-IV test probe leads, 1 Tc-K wire thermocouple, 1 Tc-K/Ø4 male safety banana adapter, 2 x 1.5 V AAA batteries

		DMM 121	DMM 141
Display		4,000 counts	
Measurement type		AVG	TRMS AC/DC
I <sub>DC</sub>		400 µA / 4 000 µA / 40 mA / 400 mA / 4 A / 10 A <sup>(1)</sup>	
		1% of reading + 3 cts	
		0.1 µA	
I <sub>AC</sub>		400 µA / 4 000 µA / 40 mA / 400 mA / 4 A / 10 A <sup>(1)</sup>	
		1% of reading + 5 cts	
		0.1 µA	
V <sub>DC</sub>		400 mV / 4 V / 40 V / 400 V / 600 V	
		0.5% of reading + 3 cts	
		0.1 mV	
V <sub>AC</sub>		400 mV / 4 V / 40 V / 400 V / 600 V	
		1% of reading + 5 cts	
		0.1 mV	
Resistance		400 Ω / 4 kΩ / 40 kΩ / 400 kΩ / 4 MΩ / 40 MΩ	
		0.5% of reading + 2 cts	
		0.1 Ω	
NCF (EF)		-	
Electrical frequency (V)		-	
Electronic frequency (V)		-	
Continuity (with buzzer)		Yes	
Diode test		Yes	
Capacitance		50 nF / 500 nF / 5 µF / 50 µF / 100 µF	
Temperature		-	
Frequency		5 Hz / 50 Hz / 500 Hz / 5 kHz / 50 kHz / 500 kHz / 5 MHz	
Duty cycle		-	
Range selection		Automatic / Manual <sup>(2)</sup>	
Other features		Backlighting, Data HOLD, Deactivatable automatic power-off, Relative mode	
Safety		600 V Cat. III according to IEC 61010-1, IEC 61010-2-033	
Dimensions / Weight		181 x 92 x 57 mm / 335 g (without batteries)	
Accessories supplied		1 sheath, 1 set of red/black test-probe leads and 2 x 1.5 V AA batteries	

<sup>(1)</sup> 20 A max / 30 s max - <sup>(2)</sup> except for frequency and capacitance



♦ **DMM 54**  
To order  
**P06231424Z**



♦ **DMM 121**  
To order  
**P06231421Z**



♦ **DMM 141**  
To order  
**P06231422Z**

# Universal Test & Measurement

## Digital multimeters

		DMM 210	DMM 220	DMM 230	DMM 240
Display		6,000 counts - Backlit with bargraph			40,000 counts - Backlit with bargraph
Measurement type		AVG		TRMS AC/DC	TRMS AC/DC
Bandwidth		40 Hz to 1 kHz			50 Hz to 1 kHz
$I_{DC}$	Ranges	600 $\mu$ A / 6000 $\mu$ A / 60 mA / 600 mA / 6 A / 10 A			400 $\mu$ A / 4000 $\mu$ A / 40 mA / 400 mA / 10 A (20 A max.)
	Basic accuracy	1.0 % + 3 cts			1.0 % + 3 cts
	Best resolution	0.1 $\mu$ A			0.01 $\mu$ A
	4-20 mA	-			- 25 % to 125 %
$I_{AC}$	Ranges	600 $\mu$ A / 6000 $\mu$ A / 60 mA / 600 mA / 6 A / 10 A (20 A max.)			400 $\mu$ A / 4000 $\mu$ A / 40 mA / 400 mA / 10 A (20 A max.)
	Basic accuracy	1.5 % + 3 cts			1.5 % + 3 cts
	Best resolution	0.1 $\mu$ A			0.1 $\mu$ A
$V_{DC}$	Ranges	600 mV / 6 V / 60 V / 600 V / 1000 V			400 mV / 4 V / 40 V / 400 V / 1000 V
	Basic accuracy	0.09 % + 2 cts			0.06 % + 2 cts
	Best resolution	0.1 mV			0.01 mV
$V_{AC}$	Ranges	6 V / 60 V / 600 V / 1000 V			400 mV / 4 V / 40 V / 400 V / 1000 V
	Basic accuracy	1.0 % + 3 cts			1.0 % + 3 cts
	Best resolution	1 mV			0.1 mV
Resistance	Ranges	600 $\Omega$ / 6 k $\Omega$ / 60 k $\Omega$ / 600 k $\Omega$ / 6 M $\Omega$ / 60 M $\Omega$			400 $\Omega$ / 4 k $\Omega$ / 40 k $\Omega$ / 400 k $\Omega$ / 4 M $\Omega$ / 40 M $\Omega$
	Basic accuracy	0.3 % + 4 cts			0.3 % + 4 cts
	Best resolution	0.1 $\Omega$			0.01 $\Omega$
Audible continuity		Yes / 0.1 $\Omega$			Yes / 0.1 $\Omega$
Diode test		Yes			Yes
Capacitance		-	0.01 nF to 1000 $\mu$ F		0.001 nF to 40 mF
Temperature (K thermocouple)		-	- 45 °C to +750 °C		- 50 °C to +1000 °C
Frequency	Electrical	10.00 to 400.00 Hz			40.00 to 400.00 Hz
	Electronic	0.001 Hz to 10.00 MHz			0.001 Hz to 100.00 MHz
Duty cycle		0.1 to 99.9 %			0.1 to 99.90 %
Range selection		Autorange / Manual			
Other features		Automatic shutdown (deactivatable), DATA HOLD, Relative mode - MIN, MAX			Automatic shutdown (deactivatable), DATA HOLD, Relative mode - MIN, MAX, PEAK (1 ms)
Ingress protection		IP 67			
Safety		600 V Cat. IV / 1000 V Cat. III selon IEC 61010-1, IEC 61010-2-033			
Dimensions / Weight		187 x 81 x 50 mm / 342 g approx.			
Accessories supplied		9V battery, 1 set of red/black test-probe leads		9V battery, 1 set of red/black test-probe leads + adapter for K thermocouple + type K temperature probe	



### ◆ DMM 210

To order  
P06231410



### ◆ DMM 220

To order  
P06231411



### ◆ DMM 230

To order  
P06231412



### ◆ DMM 240

To order  
P06231413

## Phase detector with built-in torch

### VT 12

- No-contact phase detection
- Extra-bright white LED torch
- Operating voltage: 200V to 600V AC 50/60 Hz
- IEC 61010 600V CAT III
- Powered by 2 x AAA/LR03 batteries

Dimensions / Weight: 176 x 26 mm / 48 g



To order  
**P06230202**

## Wallplug Tester

### VT 11

#### ♦ 2P+E mains socket and RCD tester

- For renovation work and quick checking of 2P+E socket connections
- Tests performed:
  - PE (Earth <sup>(1)</sup>) not connected
  - Line (L) not connected
  - Neutral (N) not connected
  - Inversion of Line (L) / Neutral (N)
  - Inversion of Line (L) / Earth (PE)
  - Presence of voltage on PE<sup>(1)</sup>
  - RCD tripping up to up to 30 mA

<sup>(1)</sup> "Earth" or "Protective conductor"

Dimensions / Weight: 78 x 72 x 79 mm / 70 g



To order  
**P06230304**

## Socket and 10 mA / 30 mA RCD tester

### VT 35

- Quick testing of your power sockets (wiring of the Earth, Phase and Neutral)
- Quick testing of 30 mA RCD tripping
- Powered by the mains supply
- Safety: 250 V Cat. II (IEC 61010) - CE

Dimensions / Weight: 85 x 56 x 31 mm / 250 g



To order  
**P06230301**

## Voltage tester

### VT 14

- Voltage testing: 12 V to 690 V~ (7 diodes)
- Impedance: 400 k
- Operating frequency: DC and 50/60 Hz
- Polarity test with "+" and «-» diodes
- Protection up to 1,000 V
- IEC 61010 600 V CAT III
- Powered by 1 x 9 V 6LR61 battery

Dimensions / Weight: 193 x 47 x 36 mm / 170 g



To order  
**P06230203**

## Digital earth resistance tester

### ERT 201

#### ♦ 2 P and 3 P measurement methods

- Measurement of earth potential up to 200 VAC
- 3 measurement ranges: 20  $\Omega$  / 200  $\Omega$  / 2 000  $\Omega$
- Data Hold
- Safety: 200 V Cat. III (IEC61010-1)
- Charge indicator for batteries (6 x 1.5 V)
- Supplied in a hard case with accessories

Dimensions in carrying case / weight: 275 x 260 x 100 mm / 550 g (including batteries)  
 Supplied in a hard case with: 3 leads terminated by crocodile clips (red 15m, yellow 10m and green 5 m),  
 1 red lead 1.20 m long terminated by a crocodile clip, 2x20 cm stakes, 1 double measurement cable  
 for the 2 P method and batteries.



To order  
**P06232901**

## Digital insulation tester at 1,000 V

### MH 401

#### ♦ Insulation measurement at 250 V<sub>DC</sub> / 500 V<sub>DC</sub> / 1,000 V<sub>DC</sub> up to 2,000 $\Omega$

- Timer / DATA HOLD / compensation of leads
- Safety: 300 V Cat. III (IEC 61010-1)
- Voltage measurement: 0 to 600 Vac
- Continuity measurement (I > 200 mA) with buzzer
- Measurement comfort: voltage presence LED / ongoing insulation test LED
- Automatic standby function for batteries (6 x 1.5 V)

Supplied in a hard case with 2 leads 80 cm long (red + black) terminated by test probes plus 2 crocodile clips (red + black) connectable to test probes and batteries.

To order  
**P06234101**

**299** €EX-VAT



## Earth testing kit

To order  
**P06233001**



Carrying bag containing: 2 T-shaped stakes (18 cm),  
 3 measurement leads terminated by crocodile clips (20m red,  
 10m yellow, 5 m green), additional cable for ERT200 and 201.

## Mains socket measurement lead

- For measuring directly on a mains socket
- Quick implementation for reliable connections

To order  
**P06239307**





## Circuit Breaker Finder

### CBF 01

- ◆ For simple location of fuses and circuit-breakers

Supplied with three adapters for: mains socket, B22 socket (bayonet), E27 socket (screw-in), one bag, one 9 V battery, one operating manual (FR/GB/D/I/E)



	CBF 01 Transmitter	CBF 01 Receiver
Operating voltage	200 ~ 240 V	-
Operating frequency	50 / 60 Hz	-
Indication	LED	Audible and visual (LED)
Power supply	-	9V battery
Sensitivity	-	Adjustable
Dimensions	80 x 50 x 31 mm	186 x 90 x 38 mm
Weight	Approx. 55 g	Approx. 150 g
Safety	IEC 61010 300 V Cat. II	



To order  
**P06237001**

## Digital lightmeter

### LM 76

- ◆ Remote-controllable probe
- ◆ Incidence correction
- ◆ MAX, MIN, HOLD
- ◆ Choice of measurement unit: Lux or Fc

- 2,000-count display
- Measurement range: 0 to 200,000 Lux
- No. of ranges: 4
- Accuracy: 3 %

Dimensions: Instrument: 130 x 55 x 38 mm  
Sensor: 125 x 86 x 35 mm  
Weight: 250 g  
Supplied with a case and a 9 V battery



To order  
**P06236201**

## Digital tachometer

### RPM 82

- ◆ Automatic calibre selection
- ◆ MAX, MIN, HOLD

- Operation with or without contact
- Accuracy: 0.05 % + 1 count
- Rotation speed and linear rotation speed with contact: 0.5 rpm to 19,999 rpm  
rotation without contact: 2.5 rpm to 99,999 rpm  
linear speed: 0.05 m/min to 1,999.9 m/min

Dimensions / Weight: 160 x 72 x 37 mm / 300 g  
Supplied with: 1 battery, 1 carrying case, 1 contact measurement adapter, 1 tapered adapter, 1 tubular adapter, 1 wheel for linear speed, reflective stickers.



To order  
**P06236902**

## USB temperature and humidity recorder

### DL 53

- ◆ Compact
- ◆ Customizable
- ◆ Easy to use

- 32,000-point memory: 16,000 readings from - 40 °C to +70 °C  
16,000 readings from 0 to 100 % RH
- Wide range of recording intervals
- Easily adjustable alarms
- Min/max overrun indicator LEDs
- Simple PC connection with USB

Dimensions / Weight: 101.5 x 30 x 30 mm / 20 g  
Supplied with software<sup>(1)</sup> on CD-Rom, protective cover, stick-on or screw-on support (screws supplied), lithium battery

<sup>(1)</sup> Supplied with software in 5 languages (F, GB, D, I, E) compatible with the following operating systems: Windows XP & Vista (32 bits), 7, 8, 8.1 & 10 (32 & 64 bits), Windows 10, Windows 8/8.1, Windows 7, Windows Vista and Windows XP are registered trade marks of Microsoft Corporation



To order  
**P06230801**

## Cable tester for telephone, computer and video wiring

### CT 51

#### ♦ Removable transmitter module: only one person needed for testing

- For cables: RJ-45 / RJ-11 / USB / 1394 / BNC
- Testing for continuity, breaks and short-circuits
- Measurements on cables up to 180 m long

Dimensions / Weight: 200 x 100 x 27 mm / 280 g (everything included)  
Supplied with cable adapters and a 9 V battery



To order  
P06237901

## Stud (wood/metal) and live cable detector

### D 45

#### ♦ No more blind drilling into wooden or plasterboard walls

- Location of live electrical cables
- Detection of metal items (pipes, etc.)  
and the position of wood or metal studs
- Detection depth: 30 cm
- Accuracy of indication:  $\pm 15$  mm
- Automatic calibration
- Automatic shutdown

Supplied with a 12 V battery (MN21 type)  
Dimensions / Weight: 130 x 65 x 35 mm / 130 g



To order  
P06237902

## Power Supplies

### XA 1525

#### ◆ Single-output DC laboratory power supply

- 0-15.0 VDC / 0-2.5 ADC adjustable output
- Separate display of voltage and current settings
- Coarse and fine voltage output adjustment
- Full overload protection



To order  
XA1525

### XA 3051

#### ◆ Single-output DC laboratory power supply

- 0-30.0 VDC / 0-5.0 ADC adjustable output
- Separate display of voltage and current settings
- Coarse and fine voltage output adjustment
- Full overload protection



To order  
XA3051

## Multiple feeds

### XA 3052

#### ◆ Dual-output DC laboratory power supply

- Two 0-30.0 VDC / 0-5.0 ADC adjustable outputs
- The 2 independent outputs can be set up in parallel to obtain 10 A
- The 2 independent outputs can be set up in series to obtain 60 V
- Voltage and current regulation with low noise
- Full overload protection



To order  
XA3052

### XA 3033

#### ◆ Triple-output DC laboratory power supply

- Two 0-30.0 VDC / 0-3.0 ADC adjustable outputs and one 5 VDC / 3 ADC fixed output
- The 2 independent outputs can be set up in parallel to obtain 6 A
- The 2 independent outputs can be set up in series to obtain 60 V
- Voltage and current output regulation with low noise
- Full overload protection



To order  
XA3033

Photos are non-contractual. Specifications subject to modifications linked to the technological developments. All our devices except for accessories are guaranteed for 2 years.

# Multimetrix

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## Your distributor

