





Multimetrix
Simple measurement at the best price

2022

Universal Test & Measurement
Electrical Safety Testers
Other Measurements
Laboratory Instruments

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Pocket multimeters

100 A to 600 A

 **AUTO-RANGING**



		CM 603
Clamping diameter		26 mm
Display		4,000 counts with backlighting
Measurement type		AVG
I AC	Ranges	40 A / 400 A / 600 A
	Basic accuracy	2.5 %R + 5 cts
	Best resolution	10 mA
V DC	Ranges	4 V / 40 V / 400 V / 600 V
	Basic accuracy	0.8 %R + 3 cts
	Best resolution	1 mV
V AC	Ranges	4 V / 40 V / 400 V / 600 V
	Basic accuracy	1%R + 5 cts
	Best resolution	1 mV
Resistance	Ranges	400 Ω / 4 kΩ / 40 kΩ / 400 kΩ / 4 MΩ / 40 MΩ
	Basic accuracy	1 %R + 5 cts
	Best resolution	0.1 Ω
Continuity (with buzzer)		Yes
Diode test		Yes
Capacitance		10 nF / 100 nF / 1 μF / 10 μF / 100 μF / 1 mF / 10 mF
Temperature		- 20 °C ... +1,000 °C (Thermocouple Type K)
Other features		Backlighting, Torch function, Data HOLD, Deactivatable automatic power-off
Dimensions / weight		206 x 79 x 43 mm / 270 g
Safety		600 V CAT III according to IEC 61010-1, IEC 61010-2-032, IEC 61010-2-033
Accessories supplied		1 set of red/black test-probe leads, 3 x 1.5 V AAA / LR03 batteries, 1 K thermocouple and 1 carrying bag



		CM 610	CM 625
Clamping diameter		30 mm	
Display		2,000 counts	4,300 counts
Measurement type		TRMS AC/DC	
I DC	Ranges	-	40 A / 400 A
	Basic accuracy		1.5 % + 5 cts
	Best resolution		0.01 A
I AC	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 DC	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 AC	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 / 2 MΩ / 20 MΩ	400 Ω / 4 kΩ / 40 kΩ / 400 kΩ / 4 MΩ / 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 RMS	
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, IEC 61010-2-033	
Accessories supplied		1 carrying bag, 1 set of red/black test-probe leads and 2 x 1.5 V LR3/AAA batteries	



CM 603

To order
P06232008Z



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/DC}	Ranges	10 A / 80 A / 100 A	
	Basic accuracy	2 % (AC)	2.5 % (DC)
	Best resolution	1 mA	
V _{AC/DC}	Ranges	600 V _{RMS}	
	Basic accuracy	1.5 % (AC)	1 % (DC)
	Best resolution	0.1 V	
Resistance	Ranges	10 k Ω	
	Basic accuracy	1 %	
	Best resolution	1 Ω	
Continuity	Threshold	50 Ω	
	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 to \pm 3 dB, Z = 3 k Ω HOLD / PEAK (peak value)	
Dimensions / weight		202 x 70 x 34 mm / 180 g	
Safety		300 V Cat. III according to IEC 61010-1, IEC 61010-2-032, IEC 61010-2-033	
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

Accessories

Carrying bag

ACC N° 21



Equipped with two elastic compartments (100 mm and 35 mm) and a document storage compartment.

Supplied with a 17 cm wrist strap and a 50 cm shoulder strap.
Dimensions: 250 x 165 x 60 mm



To order
P06239502

Digital multimeters

		DMM 53 		DMM 121 		DMM 141 	
Display		4,000 counts		4,000 counts		4,000 counts	
Measurement type		AVG		AVG	TRMS AC/DC		
Ranges		Automatic and manual		Automatic and manual			
I DC	Ranges	400 μ A / 4 000 μ A / 40 mA / 400 mA / 10 A		400 μ A / 4 000 μ A / 40 mA / 400 mA / 4 A / 10 A ⁽¹⁾			
	Basic accuracy	1 %R + 5 cts		1 %R + 3 cts			
	Best resolution	0.1 μ A		0.1 μ A			
I AC	Ranges	400 μ A / 4 000 μ A / 40 mA / 400 mA / 10 A		400 μ A / 4 000 μ A / 40 mA / 400 mA / 4 A / 10 A ⁽¹⁾			
	Basic accuracy	1 %R + 5 cts		1 %R + 5 cts			
	Best resolution	0.1 μ A		0.1 μ A			
V DC	Ranges	400 mV / 4 V / 40 V / 400 V / 600 V		400 mV / 4 V / 40 V / 400 V / 600 V			
	Basic accuracy	0.5 %R + 3 cts		0.5 %R + 3 cts			
	Best resolution	0.1 mV		0.1 mV			
V AC	Ranges	4 V / 40 V / 400 V / 600 V		400 mV / 4 V / 40 V / 400 V / 600 V			
	Basic accuracy	0.8 %R + 5 cts		1 %R + 5 cts			
	Best resolution	1 mV		0.1 mV			
Resistance	Ranges	400 Ω / 4 k Ω / 40 k Ω / 400 k Ω / 4 M Ω / 40 M Ω		400 Ω / 4 k Ω / 40 k Ω / 400 k Ω / 4 M Ω / 40 M Ω			
	Basic accuracy	0.8 %R + 5 cts		0.5 %R + 2 cts			
	Best resolution	0.1 Ω		0.1 Ω			
Continuity (with buzzer)		Yes		Yes			
Diode test		Yes		Yes			
Capacitance		10 nF / 100 nF / 1 μ F / 10 μ F / 100 μ F / 1 mF / 10 mF		50 nF / 500 nF / 5 μ F / 50 μ F / 100 μ F			
Temperature		- 20 $^{\circ}$ C ... +1,000 $^{\circ}$ C (Thermocouple Type K)		-			
Frequency		10 Hz / 100 Hz / 1 kHz / 10 kHz / 100 kHz / 1 MHz / 10 MHz		5 Hz / 50 Hz / 500 Hz / 5 kHz / 50 kHz / 500 kHz / 5 MHz			
Duty cycle		0.1 .. 99.9 %		-			
Range selection		Automatic		Automatic / Manual ⁽²⁾			
Other features		Backlighting, Data HOLD, Torch function, NCV: no-contact detection of electric fields (voltage), Deactivatable automatic power-off		Backlighting, Data HOLD, Deactivatable automatic power-off, Relative mode			
Safety		600 V Cat. III according to IEC 61010-1, IEC 61010-2-033		600 V Cat. III according to IEC 61010-1, IEC 61010-2-033			
Dimensions / Weight		150 x 73 x 48 mm / 230 g		181 x 92 x 57 mm / 335 g (without batteries)			
Accessories supplied		1 set of red/black test-probe leads, 2 x 1.5 V AAA batteries / LR03 and 1 K thermocouple		1 sheath, 1 set of red/black test-probe leads and 2 x 1.5 V AA batteries			

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



DMM 53

To order
P06231423Z



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 μ A / 6000 μ A / 60 mA / 600 mA / 6 A / 10 A		400 μ A / 4000 μ A / 40 mA / 400 mA / 10 A (20 A max.)
	Basic accuracy	1.0 % + 3 cts		1.0 % + 3 cts
	Best resolution	0.1 μ A		0.01 μ A
	4-20 mA	—		- 25 % to 125 %
I AC	Ranges	600 μ A / 6000 μ A / 60 mA / 600 mA / 6 A / 10 A (20 A max.)		400 μ A / 4000 μ A / 40 mA / 400 mA / 10 A (20 A max.)
	Basic accuracy	1.5 % + 3 cts		1.5 % + 3 cts
	Best resolution	0.1 μ A		0.1 μ A
V DC	Ranges	600 mV / 6 V / 60 V / 600 V / 1,000 V		400 mV / 4 V / 40 V / 400 V / 1,000 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 / 1,000 V		400 mV / 4 V / 40 V / 400 V / 1,000 V
	Basic accuracy	1.0 % + 3 cts		1.0 % + 3 cts
	Best resolution	1 mV		0.1 mV
Resistance	Ranges	600 Ω / 6 k Ω / 60 k Ω / 600 k Ω / 6 M Ω / 60 M Ω		400 Ω / 4 k Ω / 40 k Ω / 400 k Ω / 4 M Ω / 40 M Ω
	Basic accuracy	0.3 % + 4 cts		0.3 % + 4 cts
	Best resolution	0.1 Ω		0.01 Ω
Audible continuity	Yes / 0.1 Ω			Yes / 0.1 Ω
Diode test	Yes			
Capacitance	—	0.01 nF to 1,000 μ F		0.001 nF to 40 mF
Temperature (K thermocouple)	—	-45 $^{\circ}$ C to +750 $^{\circ}$ C		-50 $^{\circ}$ C to +1,000 $^{\circ}$ 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 / 1,000 V Cat. III according to IEC 61010-1, IEC 61010-2-033			
Dimensions / Weight	187 x 81 x 50 mm / 342 g approx.			
Accessories supplied	9 V battery, 1 set of red/black test-probe leads		9 V 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

Voltage tester

VT 14

- Voltage testing: 12 V to 690 V~ (7 diodes)
- Impedance: 400 k Ω
- 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



Wallplug Tester

2P E mains socket and RCD tester

VT 11

For renovation work and quick checking of 2P+E socket connections

Tests performed:

- PE (Earth (1)) 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⁽¹⁾

RCD tripping up to up to 30 mA

(1) "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



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



Electrical Safety Testers

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 Ω / 200 Ω / 2000 Ω
- Data Hold
- Safety: 200 V Cat. III (IEC 61010-1)



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 15 m, yellow 10 m and green 5 m), 1 red lead 1.20 m long terminated by a crocodile clip, 2 x 20 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 Vdc / 500 Vdc / 1,000 Vdc up to 2,000 Ω
- 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

Earth testing kit

Carrying bag containing:
2 T-shaped stakes (18 cm),
3 measurement leads terminated by crocodile clips (20 m red, 10 m yellow, 5 m green), additional cable for ERT 200 and 201.

To order
P06233001



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

To order
P06237001



	CBF 01 Transmitter	CBF 01 Receiver
Operating voltage	200 ~ 240 V	—
Operating frequency	50 / 60 Hz	—
Indication	LED	Audible and visual (LED)
Power supply	—	9 V battery
Sensitivity	—	Adjustable
Dimensions	80x50x31 mm	186x90x38 mm
Weight	Approx. 55 g	Approx. 150 g
Safety	IEC 61010 300 V Cat. II	



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)

Digital lightmeter

M 76

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

- Removable probe

- Automatic correction

- MAX, MIN, HOLD

- Choice of measurement unit: Lux or Fc



To order
P06236201

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

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 ⁽¹⁾ on CD-Rom, protective cover, stick-on or screw-on support (screws supplied), lithium battery

To order
P06230801

⁽¹⁾ 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



Other Measurements

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: ± 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

Distance meter

DM 100

Simple, accurate measurement of all your dimensions

- Laser system
- Measurement up to 50 m
- Simple to use: one key, one function
- Measures lengths, heights, areas, volumes
- Storage of last 20 measurements

Dimensions / Weight: 115 x 48 x 18 mm / 135 g
Supplied with a 9 V battery, an operating manual, a wrist strap and a carrying bag



To order
P06237503Z

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

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

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

Generator

XG 2102

0.2 Hz to 2 MHz E function generator

- Frequency meter with automatic ranges up to 50 MHz
- Sine, square and triangle signal waveforms with adjustable duty cycle
- 6-digit green LED frequency display
- Rise time 120 ns and 25 ns for TTL output
- Amplitude ± 10 V_{p-p}, offset \ 10 VDC (in open circuit)
- Internal linear sweep with adjustable time between 20 ms and 2 s
- Adjustable TTL and CMOS outputs, external wobble modulation input



To order
XG2102

Photos are non-contractual. Specifications subject to modifications linked to technological developments. All our instruments, excluding accessories, are guaranteed for 2 years.

Multimetrix

Chauvin Arnoux Group
12-16 Rue Sarah Bernhardt - 92600 Asnières-sur-Seine - France
Tel.: +33 1 44 85 44 85 - Fax: +33 1 46 27 73 89
info@multimetrix.fr
www.multimetrix.fr

Your distributor