Multimetrix®

Simple measurement at the best price

- Multimeters
- Clamp-on multimeters
- Electrical safety testers
- Testers
- Environmental measurements
- Laboratory instruments

2013

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Pocket multimeters ≤ 20 mm thick

		DMM 10	DMM 12
Display		4,000 counts	
Measurement type		Average	
Ranges		Automatic and manual	Automatic
V DC	Ranges	400 mV / 4 V / 40 V / 400 V / 600 V	4 V / 40 V / 400 V / 600 V
	Basic accuracy	0.7 %	2 %
	Best resolution	0.1 mV	0.001 V
V AC	Ranges	4 V / 40 V / 400 V / 600 V	
	Basic accuracy	2 %	4 %
	Best resolution	0.001 V	
Resistance	Ranges	400 Ω / 4 kΩ / 40 kΩ / 400 kΩ / 4 MΩ / 40 MΩ	
	Basic accuracy	1.2 %	2 %
	Best resolution	0.1 Ω	
Continuity (with buzzer)	Threshold	400 Ω	
	Protection	300 VRMS	450 VRMS
Diode test		Yes	
Other features		AUTO HOLD Automatic shutdown (deactivatable buzzer – 20 min)	AUTO RANGE, HOLD Automatic shutdown
Power supply		2 x LR 44	
Dimensions / weight		117 x 76 x 18 mm / 110 g	130 x 60 x 20 mm / 112 g
Safety		300 V, Cat. II (IEC 61010) - CE	600 V, Cat. II (IEC 61010) - CE
Accessories supplied		Red and black built–in leads, 2 button cell batteries	

DMM 10

Hands-free operation and stable measurements

To order : P06231001

- Select AUTO HOLD.
- Measure.
- As soon as the measurement is stable, the buzzer sounds.
- Read the value.

DMM 12

To order : P06231003

Digital multimeters

		DMM 105
Display		2,000 counts
Measurement type		Average
Ranges		Manual
I DC	Ranges	200 µA / 2 000 µA / 20 mA / 200 mA / 10 A
	Basic accuracy	1 %
	Best resolution	0.1 µA
V DC	Ranges	200 mV / 2 V / 20 V / 200 V / 1 000 V
	Basic accuracy	0.8 %
	Best resolution	0.1 mV
V AC	Ranges	200 V / 750 V
	Basic accuracy	1.2 %
	Best resolution	0.1 V
Resistance	Ranges	200 Ω / 2 kΩ / 20 kΩ / 200 kΩ / 2 MΩ
	Basic accuracy	1 %
	Best resolution	0.1 Ω
	Best protection	250 V RMS
Diode test		Yes
Other features		Battery test 1,5 V (AA) et 9 V (6F22)
Power supply		1 x 9 V 6F22
Dimensions / weight		145 x 73 x 40 mm / 500 g
Safety		600 V Cat. II / 300 V Cat. III
Accessories supplied		1 sheath, 1 set of red/black test-probe leads and a 9 V battery

DMM 105

To order : P06231401

Multimeters

Digital multimeters

		DMM 110	DMM 120	DMM 140
Display		2,000 counts	4,000 counts	
Measurement type		Average		RMS
Ranges		Automatic and manual		
I DC	Ranges	200 µA / 2,000 µA / 20 mA / 200 mA / 2 A / 10 A	400 µA / 4,000 µA / 40 mA / 400 mA / 4 A / 10 A	
	Basic accuracy	1.2 %		
	Best resolution	0.1 µA		
I AC	Ranges	200 µA / 2,000 µA / 20 mA / 200 mA / 2 A / 10 A	400 µA / 4,000 µA / 40 mA / 400 mA / 4 A / 10 A	
	Basic accuracy	1.5 %		
	Best resolution	0.1 µA		
V DC	Ranges	200 mV / 2 V / 20 V / 200 V / 600 V	400 mV / 4 V / 40 V / 400 V / 600 V	
	Basic accuracy	0.5 %		
	Best resolution	0.1 mV		
V AC	Ranges	200 mV / 2 V / 20 V / 200 V / 600 V	400 mV / 4 V / 40 V / 400 V / 600 V	
	Basic accuracy	1 %		
	Best resolution	0.1 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 %		
	Best resolution	0.1 Ω		
Continuity (with buzzer)	Threshold	100 Ω		
	Protection	500 V RMS		
Frequency	Ranges	—	40 Hz / 400 Hz / 4 kHz / 40 kHz / 400 kHz / 4 MHz	
	Basic accuracy		0.2 %	
	Best resolution		0.01 Hz	
Capacitance		—	40 nF / 400 nF/ 4 µF / 40 µF / 100 µF	
Diode test		Yes	Yes	
Other features		DATA HOLD, Automatic shutdown Protection by fuse	Backlighting, DATA HOLD, Automatic shutdown Protection by fuse	
Power supply		2 x 1.5 V AA		
Dimensions / weight		152 x 78 x 35 mm / 280 g		
Safety		600 V Cat. II / 300 V Cat. III		
Accessories supplied		1 sheath, 1 set of red/black test-probe leads and 2 x 1.5 V AA batteries		

Carrying and storage bag ACC Nº 20

Ideal for the DMM 110, 120, 140

- Padded and lightweight
- Velcro fastening
- Loop for fastening to belt and ring
- Compartment for storing measurement leads

To order : P06239501

DMM 110

To order : P06231402

DMM 120

To order : P06231403

DMM 140

To order : P06231404

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		Average		RMS	
Bandwidth		40 Hz to 1 kHz			50 Hz to 1 kHz
I DC	Ranges	600 µA / 6000 µA / 60 mA / 600 mA / 6 A / 10 A			400 µA / 4000 µA / 40 mA / 400 mA / 10 A (20 A max.)
	Basic accuracy	1.0 % + 3 counts			
	Best resolution	0.1 µA			0.01 µA
	4-20 mA	—			0 to 125 %
I AC	Ranges	600 µA / 6000 µA / 60 mA / 600 mA / 6 A / 10 A (20 A max.)			400 µA / 4000 µA / 40 mA / 400 mA / 10 A (20 A max.)
	Basic accuracy	1.5 % + 3 counts			
	Best resolution	0.1 µA			
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 counts			0.06 % + 2 counts
	Best resolution	0.1 mV			0.01 mV
VAC	Ranges	6 V / 60 V / 600 V / 1000 V			400 mV / 4 V / 40 V / 400 V / 1000 V
	Basic accuracy	1.0 % + 3 counts			
	Best resolution	1 mV			0.1 mV
Resistance	Ranges	600 Ω / 6 kΩ / 60 kΩ / 600 kΩ / 6 MΩ / 60 MΩ			400 Ω / 4 kΩ / 40 kΩ / 400 kΩ / 4 MΩ / 40 MΩ
	Basic accuracy	0.3 % + 4 counts			
	Best resolution	0.1 Ω			0.01 Ω
Audible continuity		Yes / 0.1 Ω			
Diode test		Yes			
Capacitance		—	0.01 nF to 1000 µF		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 99.99 %			
Calibre selection		Autorange / Manual			
Other features		Automatic shutdown (deactivatable) Relative mode – MIN, MAX			Automatic shutdown (deactivatable) Relative mode – MIN, MAX, PEAK (1 ms)
Ingress protection		IP 67			
Safety		600 V Cat. IV / 1000 V Cat. III according to IEC 61010			
Dimensions / weight		187 x 81 x 50 mm / 342 g approx.			
Accessories supplied		Battery, test-probe lead	Battery, test-probe lead + 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

Clamp-on Multimeters

Pocket clamp-on multimeters
100 A to 600 A,
Clamping diameter ≥ 30 mm

Auto-ranging

The CM 605 mini clamp-on multimeter can be used even in the most cramped conditions!

		CM 600	CM 610	CM 625	CM 605
Clamping diameter		30 mm			12.5 mm
Display		2,000 counts		4,300 counts	10,000 counts
Measurement type		Average	RMS		Average
I DC	Ranges	—		40 A / 400 A	10 A / 80 A / 100 A
	Basic accuracy			1.5 %	2.5 %
	Best resolution			0.01 A	1 mA
I AC	Ranges	200 A / 600 A		40 A / 400 A	10 A / 80 A / 100 A
	Basic accuracy	1.9 %		1.5 %	2 %
	Best resolution	0.1 A		0.01 A	1 mA
V DC	Ranges	200 mV / 2 V / 20 V / 200 V / 600 V		4 V / 40 V / 400 V / 600 V	600 V RMS
	Basic accuracy	0.7 %		0.75 %	1 %
	Best resolution	0.1 mV		1 mV	0.1 V
V AC	Ranges	2 V / 20 V / 200 V / 600 V		4 V / 40 V / 400 V / 600 V	600 V RMS
	Basic accuracy	1.5 %		1 %	1.5 %
	Best resolution	1 mV			0.1 V
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	10 kΩ
	Basic accuracy	1.5 %		0.9 %	1 %
	Best resolution	0.1 Ω		0.1 Ω	1 Ω
Continuity	Threshold	60 Ω		50 Ω	50 Ω
	Protection	600 V RMS		600 V RMS	600 V RMS
Diode test		Yes		—	—
Automatic zero adjustment		—		Yes	Yes
Other features		MAX		HOLD	Analogue output 10 mV/A AC or DC, 4,5 % + 0.5 mV, 20 kHz to ± 3 dB, Z = 3 kΩ HOLD / PEAK
Power supply		2 x 1.5 V AAA			2 x 1.5 V AAA
Dimensions / weight		189 x 71 x 37 mm / 200 g		189 x 71 x 37 mm / 220 g	202 x 70 x 34 mm / 180 g
Safety		600 V Cat. II · 300 V, Cat. III (IEC 61010) · CE			600 V Cat. II · 300 V, Cat. III (IEC 61010) · CE
Accessories supplied		1 carrying bag, 1 set of red/black test-probe leads and 2 batteries			1 carrying bag, 1 set of red/black test-probe leads and 2 batteries
To order		P06232001	P06232002	P06232003	P06232007

Clamp-on multimeters with 1,000 A temperature function

Auto-ranging or manual ranges

		CM 660	CM 670	CM 685
Clamping diameter		40 mm		
Display		4,300 counts		
Measurement type		Average	RMS	
I_{DC}	Ranges	—	—	40 A / 400 A / 1000 A
	Basic accuracy			1 %
	Best resolution			0.01 A
I_{AC}	Ranges	40 A / 400 A / 1000 A		
	Basic accuracy	1 %		
	Best resolution	0.01 A		
V_{DC}	Ranges	4 V / 40 V / 400 V / 600 V		
	Basic accuracy	0.75 %		
	Best resolution	0.001 V		
V_{AC}	Ranges	4 V / 40 V / 400 V / 600 V		
	Basic accuracy	1 %		
	Best resolution	0.001 V		
Resistance	Ranges	400 Ω / 4 kΩ / 40 kΩ / 400 kΩ / 4 MΩ / 40 MΩ		
	Basic accuracy	0.9 %		
	Best resolution	0.1 Ω		
Continuity	Threshold	50 Ω		
	Protection	600 V RMS		
Frequency	Ranges	400 Hz / 4000 Hz		
	Basic accuracy	0.5 %		
	Best resolution	0.1 Hz		
Temperature measurement		– 50 °C to +1100 °C		
Other features		MIN / MAX, HOLD, PEAK		
Power supply		2 x 1.5 V AA		
Dimensions / weight		241 x 91 x 45 mm / 390 g		
Safety		Safety : 600 V Cat. III (IEC 61010) - CE		
Supplied with		1 carrying bag, 1 set of red/black test-probe leads and 2 batteries		
Accessories supplied		ACC N° 21 - ACC N° 80		
To order		P06232004	P06232005	P06232006

Adapter and type-K temperature probe

ACC N° 80

For CM 660, CM 670 and CM 685 clamp-on multimeters

Measurement range from –50 °C to +200 °C

Resolution : 0.1 °C to 2 °C

To order : P06239306

Carrying bag

ACC N° 21

Equipped with two elastic compartments (100 mm and 35 mm) and a document storage compartment. Ideal for the CM 660, CM 670 and CM 685 clamps.

Supplied with a 17 cm wrist strap and a 50 cm shoulder strap.

Dimensions : 250 x 165 x 60 mm

To order : P06239502

Electrical Safety Testers

Analogue earth resistance tester

ERT 200

To order : P06232902

- **2 P and 3 P measurement methods**
- **Earth potential measurement up to 30 Vac**
- **3 measurement ranges : 10 Ω / 100 Ω / 1000 Ω**

- Battery charge measurement
- Safety : 30 V, Cat. III (IEC 61010-1)

Dimensions / weight :
205 x 90 x 55 mm / 515 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.

Digital earth resistance tester

ERT 201

- **2 P and and 3 P measurement methods**
- Measurement of earth potential up to 200 V
- 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

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

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

Digital insulation tester at 1,000 V

MH 401

To order : P06234101

- **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 6 batteries.

Loop impedance / short-circuit current tester

EIT 800

- **Fully automatic measurement and calculation sequence: plug in, press the button and everything is displayed**
- **Automatic verification of connections and power supply**
- **Automatic standby function**

- Loop impedance measurement: earth loop and internal loops up to 2000 Ω
- Calculation of short-circuit current up to 6 kA
- Phase-neutral and phase-earth voltages of the installation
- Safety : 270 V, Cat. III (IEC 61010-1)

To order : P06234701

Dimensions / weight : 205 x 90 x 55 mm / 535 g piles incluses

Supplied in a hard case with 3 leads 50 cm long (green + black + red) terminated by crocodile clips, batteries and a mains socket measurement lead.

Digital RCD tester, 3 to 500 mA

RCD 501

- **Direct selection of rated current by a switch**
- **Connection test and battery charge LEDs**
- **Precise indication of trip time**

- Indication of phase-earth voltage
- Selection of test current phase (0 / 180°)
- DATA HOLD
- Safety : 300 V, Cat. III (IEC 61010-1)

Dimensions in hard case/weight:
250 x 230 x 100 mm / 535 g (including batteries)

Supplied in a hard case with 2 leads 1 m long terminated by crocodile clips, 1 lead 1 m long terminated by a test probe, 1 crocodile clip and 6 x 1.5 V batteries..

To order : P06233201

Mains socket measurement lead

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

To order : P06239307

Electrical Safety Testers / Testers

Analogue earth and insulation tester
EIT 810

- **3P or 2P earth measurement up to 1200 Ω**
- **Insulation measurement up to 250 / 500 VDC at 100 / 200 MΩ**

- Voltage measurement up to 600 VAC
- Instantaneous or stabilized measurement (longer measurement time)
- Battery charge measurement
- Safety : 600 V, Cat. III (IEC 61010-1)

To order : P06234702

Dimensions / weight : 250 x 190 x 110 mm / 1.5 kg

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, 2 leads 80 cm long (red + black) terminated by crocodile clips and 8 x 1.5 V batteries.

Milliohmmeter, and low resistance tester
MOH 700

- **Measurement current from 1 mA to 100 mA**
- **Measurement methods: 4 wires or 2 wires (appropriate accessories supplied)**

- 5 measurement ranges: from 0.1 mΩ to 2,000 Ω Resolution of 100 µΩ/s to 1 Ω depending on calibre Accuracy: 0.3 % ± 2 counts
- Instantaneous or stabilized (60 s) measurement
- Indication if voltage or current circuits are not established
- DATA HOLD function
- Low battery charge indicator
- Safety : 20 V, Cat. IV (IEC 61010)

Dimensions / weight : 250 x 190 x 110 mm / 1.540 kg

Supplied in a hard case with 1 shoulder strap, 4 leads 60 cm long terminated by crocodile clips, 2 dual-input leads 80 cm long terminated by crocodile clips and 8 x 1.5 V batteries..

To order : P06234103

Testers

AC voltage screwdriver tester
VT 20

- **Ph/N detection**
- **Continuity**
- **+/- detection**
- **Autotest**

70 – 250 VAC
- Safety : 250 V, Cat. II (IEC 61010) - CE

Length / weight : 140 mm / 28 g

Supplied with 2 x 1.5 V button cell batteries

To order : P06230102

Battery tester
VT 31 A

not all types are shown

To order : P06230302A

- **At last a tester for all your batteries**

- 1.5 V button cell batteries (silver oxide or alkaline)
- 3 V lithium batteries
- AAA / R3, 1.5 V (alkaline, zinc/carbon or rechargeable)
- AA / R6 / C / D, 1.5 V (alkaline, zinc/carbon or rechargeable)
- 6 V camera batteries
- 9 V 6F22, 12 V, 15 V and 22.5 V batteries
- Powered by the battery tested

Dimensions / weight : 85 x 56 x 31 mm / 88 g

Supplied with built-in red and black leads

Wallplug Tester
2P+E mains socket and RCD tester
VT 11

- **For renovation work and quick checking of 2P+E socket connections**
- **Particularly practical: indication if a voltage is present on the protective conductor**

Tests performed:
- PE (Earth) not connected
- Line (L) not connected
- Neutral (N) not connected
- Inversion of Line (L) / Neutral (N)
- Inversion of Line (L) / Earth (PE)

RCD tripping up to 30 mA

Dimensions / weight : 78 x 72 x 79 mm, 70 g

To order : P06230304

Digital tachometer

RPM 82

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

- Operation with or without contact
- Accuracy: 0.05 % + 1 count
- Rotation speed and linear speed
  rotation 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

No-contact infrared thermometer

TM 65

- Targeting range: 6/1
- Emissivity: 0.95
- Measurement range: -20 °C to +270 °C
- Resolution: 1 °C
- Accuracy: ±2.5 % + 2 °CC

- **Laser sighting**
- **MAX**
- **AUTO-HOLD**
- **Choice of measurement units**

Dimensions / weight :
94 x 51 x 25 mm / 76 g

Supplied with 1 battery and 1 wrist strap

To order : P06236401

USB temperature and humidity recorder

DL 53

- 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

- **Compact**
- **Customizable**
- **Easy to use**

Dimensions / weight : 101.5 x 30 x 30 mm/ 20 g

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

To order : P06230801

Environmental Measurements

Contact thermometers

	TM 60	TM 62
Sensor used	K / J Thermocouple	
Number of inputs	1	2
Display	Single	Double
Measurement range	– 200 °C to + 1370 °C	
Resolution	0.1 °C	
Accuracy	± 0.05 % + 0.7 °C	
Functions	Relative measurement, MAX, MIN, HOLD	
Difference T1-T2	—	Yes
Backlighting	Yes	
Choice of measurement unit	Yes	
Dimensions / weight	130 x 56 x 38 mm / 170 g	
Accessories supplied	1 K thermocouple sensor	2 K thermocouple sensors
	1 battery and 1 carrying bag	

To order : P06236301

To order : P06236302

Digital lightmeter

LM 76

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

Remote-controllable probe

Incidence correction

MAX, MIN, HOLD

Choice of measurement unit: Lux or Fc

Dimensions :

- instrument
  130 x 55 x 38 mm
- sensor
  125 x 86 x 35 mm

Weight: 250 g

Supplied with a carrying bag and 9 V battery

To order : P06236201

Solar power meter

SPM 72

Solar energy measurement

Compact and simple to use

- Solar power from 0 to 2,000 W/m²
- Photodiode sensor
- MAX, MIN, HOLD functions

Dimensions / weight :
172 x 60 x 38 mm/ 150 g

Supplied with a 9 V battery and a carrying bag

To order : P06236001

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

Digital sound level meter
SL 105

Simple to use

Measurement from 30 dB to 130 dB with autoranging

- Large backlit display
- Measurement of sound intensity in any acoustic environment: noisy or quiet, high-pitched, low-pitched or wide-band, intermittent or continuous
- Complies with the IEC 651 standard
- A and C frequency weighting
- Long and short integration times
- Resolution: 0.1 dB
- Accuracy: ± 1.5 dB

Dimensions / weight:
200 x 55 x 38 mm, 170 g

Supplied with 9 V battery, carrying bag and wind protection cover

To order : P06236102

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 9V battery, an operating manual, a wrist strap and a carrying bag

To order : P06237503Z

Power Supplies

XA 1202

Multi-output laboratory power supply

- 0-12.0 VDC / 0-500 mADC adjustable output and +5 VDC/+15 VDC/-15 VDC fixed outputs with 1 ADC current
- Separate display of voltage and current settings
- Coarse and fine voltage output adjustment
- Full overload protection

To order : XA1202

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 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 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 3052

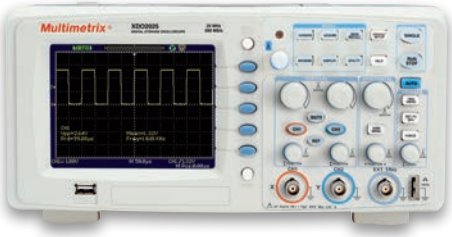
Dual-output DC laboratory power supply

- 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

Digital oscilloscopes

XDO 2025

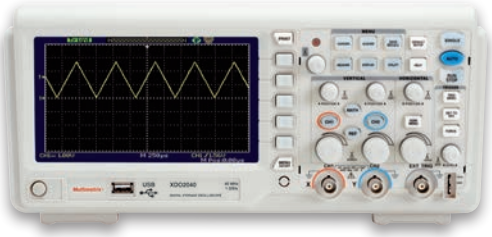


- 2-channel oscilloscope, 25 MHz
- Extra-bright 5.7'' colour TFT screen
- "Real-time" FFT Analyser
- Communication: USB host and device

- Maximum sampling rate up to 500 MS/s in one-shot mode
- Maximum sampling rate up to 10 GS/s for periodic signals
- Acquisition memory depth 16K pts
- Vertical sensitivity 2mV/div. to 10V/div.
- 32 automatic measurements simultaneously
- Manual cursor measurements
- Display in normal mode or persist mode
- 10 languages selectable by menu

To order : XDO2025

XDO 2040



- 2-channel oscilloscope, 40 MHz
- Extra-bright 7'' colour TFT screen
- "Real-time" FFT Analyser
- Communication: USB host and device

- Maximum sampling rate up to 1 GS/s in one-shot mode
- Maximum sampling rate up to 25 GS/s for periodic signals
- Acquisition memory depth 1M pts per channel
- Vertical sensitivity 2mV/div. to 10V/div.
- 32 automatic measurements simultaneously
- Manual cursor measurements
- Display in normal mode or persist mode
- 10 languages selectable by menu

To order : XDO2040

Analogue oscilloscopes

XO 3002 B

- Dual-channel 30 MHz analogue oscilloscope
- CH1, CH2, ADD, ALT, CHOP and XY display modes
- Built-in probe calibrator

- Good protection of the inputs, 400 V DC and AC peak
- Vertical sensitivity from 5 mV to 10 V/div (x5 expansion)
- Time base from 0.1 µs/div to 0.2 s/div
- Auto, Normal, TV-V and TV-H triggering
- External trigger and Z modulation inputs

To order : XO3002B

X 4010

- Single-channel 10 MHz analogue oscilloscope

- Traditional ergonomics, identical to standard 2-channel oscilloscopes
- Vertical sensitivity from 5 mV to 5 V/div and x5 expansion
- Time base from 100 ns to 0.1 s/div
- XY display mode up to 1 MHz
- Auto, Normal and TV triggering up to 30 MHz
- External trigger input
- Probe calibration signal output

To order : X4010

Generators

XG 2101

0.2 Hz to 2 MHz LF function generator

- Sine, square and triangle signal waveforms with adjustable duty cycle
- Amplitude +/-20 Vp-p, offset +/- 10 VDC (in open circuit)
- One 20 dB fixed attenuator
- Separate TTL output, external wobble modulation input
- Rise time 100 ns and 25 ns for TTL output

To order : XG2101

XG 2102

0.2 Hz to 2 MHz LF 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 Vp-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

Multimeter

XM 2101

20,000-count multimeter with red LED display

- VDC basic accuracy 0.05%
- Voltage ranges from 2 V to 1,000 V DC/750 V AC
- Current ranges from 2 mA to 10 A DC/AC
- Resistance ranges from 2 kΩ to 20 MΩ
- Frequency measurements up to 200 kHz
- Audible continuity and diode tests

To order : XM2101

Photos are non-contractual. Specifications subject to modifications linked to technological developments.
All our instruments, excluding accessories, are guaranteed for 1 year.

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