

Multimetrix®

Simple measurement at the best price



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

01/2020

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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**

Multimeters

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 kΩ	
	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 ± 3 dB, Z = 3 kΩ 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**

Pocket clamp-on multimeters

		DMM 13	DMM 16
Display		6,000 counts	6,600 counts with backlighting
Measurement type		AVG	AVG
 A DC A AC	Ranges		66.00 A / 120 A
	Basic accuracy	-	2.0 % + 5 cts
	Best resolution		0.01 A
V DC	Ranges	600 mV / 6 V / 60 V / 600 V	660 mV / 6.6 V / 66 V / 600 V
	Basic accuracy	1.0 %R + 3 cts	1.0 %R + 3 cts
	Best resolution	0.1 mV	0.1 mV
V AC	Ranges	600 mV / 6 V / 60 V / 600 V	660 mV / 6.6 V / 66 V / 600 V
	Basic accuracy	1.5 %R + 5 cts	1.5 %R + 5 cts
	Best resolution	0.1 mV	0.1 mV
Frequency	Ranges	6 kHz / 60 kHz	660.0 Hz / 6.6 kHz / 66 kHz
Resistance	Ranges	600 Ω / 6 kΩ / 60 kΩ / 600 kΩ / 6 MΩ / 60 MΩ	660 Ω / 6.6 kΩ / 66 kΩ / 660 kΩ / 6.6 MΩ / 66 MΩ
	Basic accuracy	1.0 %R + 5 cts	1.0 %R + 5 cts
	Best resolution	0.1 Ω	0.1 Ω
Continuity (with buzzer)		Yes	Yes
Diode test		Yes	Yes
Capacitance		6 nF / 60 nF / 600 nF / 6 μF / 60 μF / 600 μF / 6 mF / 60 mF	6.6 nF / 66 nF / 660 nF / 6.6 μF / 66 μF / 660 μF / 6.6 mF / 66 mF
Duty cycle		-	10 % ~ 94.9 %
Other features		Data HOLD, deactivatable automatic power-off, MAX/MIN	Data HOLD, deactivatable automatic power-off, MAX/MIN, ΔREL/DC _{Zero} , low battery indicator
Dimensions / weight		130 x 81 x 24 mm / 335 g	130 x 81 x 24 mm / 160 g (without batteries)
Safety		300 V Cat III according to IEC 61010-1, IEC 61010-2-033	
Accessories supplied		Red and black built-in test-probe leads, 2 x 1.5 V AAA batteries	Built-in AC/DC current clamp (clamping diameter 12 mm), red and black built-in test-probe leads, 2 x 1.5 V AAA batteries



DMM 13

To order: **P06231004Z**



DMM 16

To order: **P06231005Z**

Digital multimeters



		DMM 53
Display		4,000 counts
Measurement type		AVG
Ranges		Automatic and manual
I DC	Ranges	400 µA / 4 000 µA / 40 mA / 400 mA / 10 A
	Basic accuracy	1 %R + 5 cts
	Best resolution	0.1 µA
I AC	Ranges	400 µA / 4 000 µA / 40 mA / 400 mA / 10 A
	Basic accuracy	1 %R + 5 cts
	Best resolution	0.1 µA
V DC	Ranges	400 mV / 4 V / 40 V / 400 V / 600 V
	Basic accuracy	0.5 %R + 3 cts
	Best resolution	0.1 mV
V AC	Ranges	400 mV / 4 V / 40 V / 400 V / 600 V
	Basic accuracy	0.8 %R + 5 cts
	Best resolution	1 mV
Resistance	Ranges	400 Ω / 4 kΩ / 40 kΩ / 400 kΩ / 4 MΩ / 40 MΩ
	Basic accuracy	0.8 %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)
Frequency		10 Hz / 100 Hz / 1 kHz / 10 kHz / 100 kHz / 1 MHz / 10 MHz
Duty cycle		0.1 .. 99.9 %
Range selection		Automatic
Other features		Backlighting, Data HOLD, Torch function, NCV: no-contact detection of electric fields (voltage), Deactivatable automatic power-off
Safety		600 V Cat. III according to IEC 61010-1, IEC 61010-2-033
Dimensions / Weight		150 x 73 x 48 mm / 230 g
Accessories supplied		1 set of red/black test-probe leads, 2 x 1.5 V AAA batteries / LR03 and 1 K thermocouple



		DMM 121	DMM 141
Display		4,000 counts	
Measurement type		AVG	TRMS AC/DC
Ranges		Automatic and manual	
I DC	Ranges	400 µA / 4 000 µA / 40 mA / 400 mA / 4 A / 10 A ⁽¹⁾	
	Basic accuracy	1 %R + 3 cts	
	Best resolution	0.1 µA	
I AC	Ranges	400 µA / 4 000 µA / 40 mA / 400 mA / 4 A / 10 A ⁽¹⁾	
	Basic accuracy	1 %R + 5 cts	
	Best resolution	0.1 µA	
V DC	Ranges	400 mV / 4 V / 40 V / 400 V / 600 V	
	Basic accuracy	0.5 %R + 3 cts	
	Best resolution	0.1 mV	
V AC	Ranges	400 mV / 4 V / 40 V / 400 V / 600 V	
	Basic accuracy	1 %R + 5 cts	
	Best resolution	0.1 mV	
Resistance	Ranges	400 Ω / 4 kΩ / 40 kΩ / 400 kΩ / 4 MΩ / 40 MΩ	
	Basic accuracy	0.5 %R + 2 cts	
	Best resolution	0.1 Ω	
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 ⁽²⁾	
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	

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

State at delivery



DMM 53

To order: **P06231423Z**

State at delivery



DMM 121

To order: **P06231421Z**







DMM 141

To order: **P06231422Z**

Multimeters

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	
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		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 kΩ
- 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**



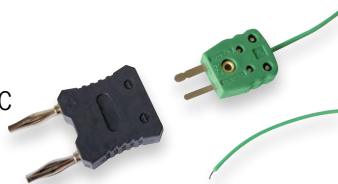
Accessories

Adapter and type-K temperature probe

ACC No 80

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

Resolution:
0.1 °C to 2 °C



To order: **P06239306**

Carrying bag

ACC No 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**

Electrical Safety Testers

Analogue earth resistance tester

ERT 200



- ★ 2 P and 3 P measurement methods
- ★ Earth potential measurement up to 30 V_{AC}
- ★ 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.

To order: **P06232902**

Digital earth resistance tester

ERT 201

- ★ 2 P and 3 P measurement methods

- Measurement of earth potential up to 200 V_{AC}
- 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**

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**

Digital insulation tester at 1,000 V

MH 401

- ★ Insulation measurement at 250 V_{DC} / 500 V_{DC} / 1,000 V_{DC} 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**



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 2,000 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)

Dimensions / Weight:

205 x 90 x 55 mm / 535 g including batteries

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.

To order: **P06234701**



Electrical Safety

Analogue earth and insulation tester

EIT 810



To order: **P06234702**

- ★ **3P or 2P earth measurement up to 1,200 Ω**
- ★ **Insulation measurement up to 250 / 500 V_{dc} up to 100 / 200 MΩ**

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

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.

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 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

- 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

To order: **P06230801**

★ Compact

★ Customizable

★ Easy to use

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



⁽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

Environmental Measurements

Contact thermometers

- TM 60: 1 K/J thermocouple input, single display
- TM 62: 2 K/J thermocouple inputs, double display

TM 60

To order: **P06236301**



TM 62

To order: **P06236302**



	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	

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**

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

To order: **P06237902**



★ **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

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**



Laboratory Instruments

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**

Generators

XM 2101

★ 20,000-count multimeter with red LED display

- Basic accuracy for V DC: 0.05 %
- Voltage ranges: 2 V to 1,000 V DC/750 V AC
- Current ranges: 2 mA to 10 A DC/AC
- Resistance ranges: 2 k Ω to 20 M Ω
- Frequency measurements up to 200 kHz
- Diode test and audible continuity

To order: **XM2101**



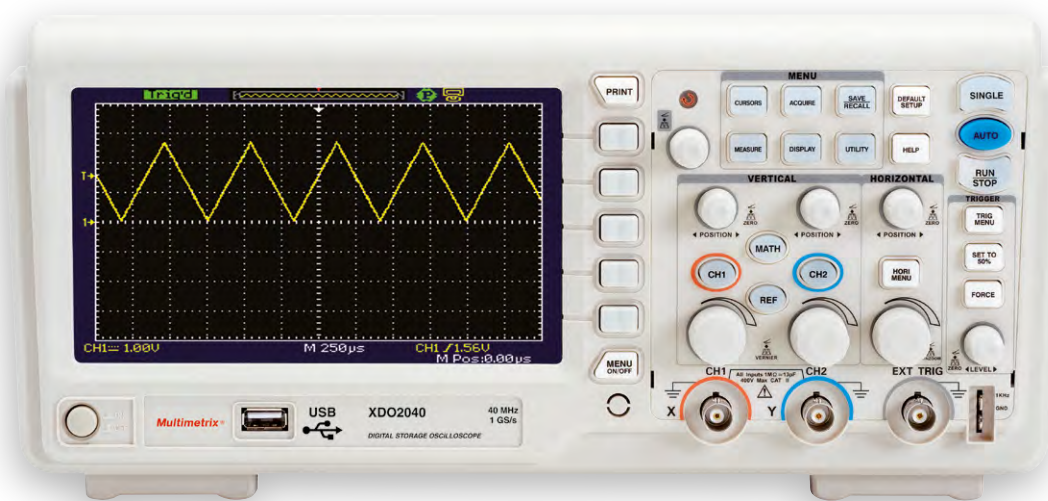
XG 2102

★ 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**





To order: **XDO2040**

Digital oscilloscope

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 1 M pts per channel
- Vertical sensitivity 2 mV/div. to 10V/div.
- 32 automatic measurements simultaneously
- Manual cursor measurements
- Display in normal mode or persist mode
- 10 languages selectable by menu

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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