



# **Multimetrix**

Simple measurement at the best price

# 2021

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		<b>Backlighting, Torch function, Data HOLD, Deactivatable automatic power-off</b>
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 <sub>RMS</sub>	
Diode test		Yes	-
Automatic zero adjustment		-	Yes
Other features		<b>MAX</b>	<b>HOLD</b>
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  
**P06232002Z**



**CM 625**

To order  
**P06232003Z**

## 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**

## 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	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 <sup>(1)</sup>			
	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 <sup>(1)</sup>			
	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 <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

## Pocket clamp-on multimeters

		DMM 16	
Display		6,600 counts with backlighting	
Measurement type		AVG	
I AC	Ranges	66.00 A / 120 A	
	Basic accuracy	2.0 % + 5 pts	
	Best resolution	0.01 A	
V DC	Ranges	660 mV / 6.6 V / 66 V / 600 V	
	Basic accuracy	1.0 %L + 3 pts	
	Best resolution	0.1 mV	
V AC	Ranges	660 mV / 6.6 V / 66 V / 600 V	
	Basic accuracy	1.5 %L + 5 pts	
	Best resolution	0.1 mV	
Fréquency	Ranges	660,0 Hz / 6,6 kHz / 66 kHz	
	Ranges	660 Ω / 6.6 kΩ / 66 kΩ / 660 kΩ / 6.6 MΩ / 66 MΩ	
Resistance	Basic accuracy	1.0 %L + 5 pts	
	Best resolution	0.1 Ω	
Continuity (with buzzer)		Oui	
Diode test		Oui	
Capacitance		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, ΔREL/DC <sub>Zero</sub> , low battery indicator	
Dimensions / weight		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		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 16**

To order  
**P06231005Z**



**DMM 53**

To order  
**P06231423Z**

**DMM 121**

To order  
**P06231421Z**

**DMM 141**

To order  
**P06231422Z**

## 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 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 cts		1.0 % + 3 cts
	Best resolution	0.1 µA		0.01 µA
	4-20 mA	—		- 25 % 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 cts		1.5 % + 3 cts
	Best resolution	0.1 µA		0.1 µA
	4-20 mA	—		- 25 % to 125 %
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 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 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 µF		0.001 nF to 40 mF
Temperature (K thermocouple)	—	- 45 °C to +750 °C		- 50 °C to +1,000 °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**



## 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**



## 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<sup>(1)</sup>

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**

## 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

### 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 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	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	



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 LM 76

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



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

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

## 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

To order  
**P06230801**

<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

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:  $\pm 15$  mm
- Automatic calibration
- Automatic shutdown

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

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

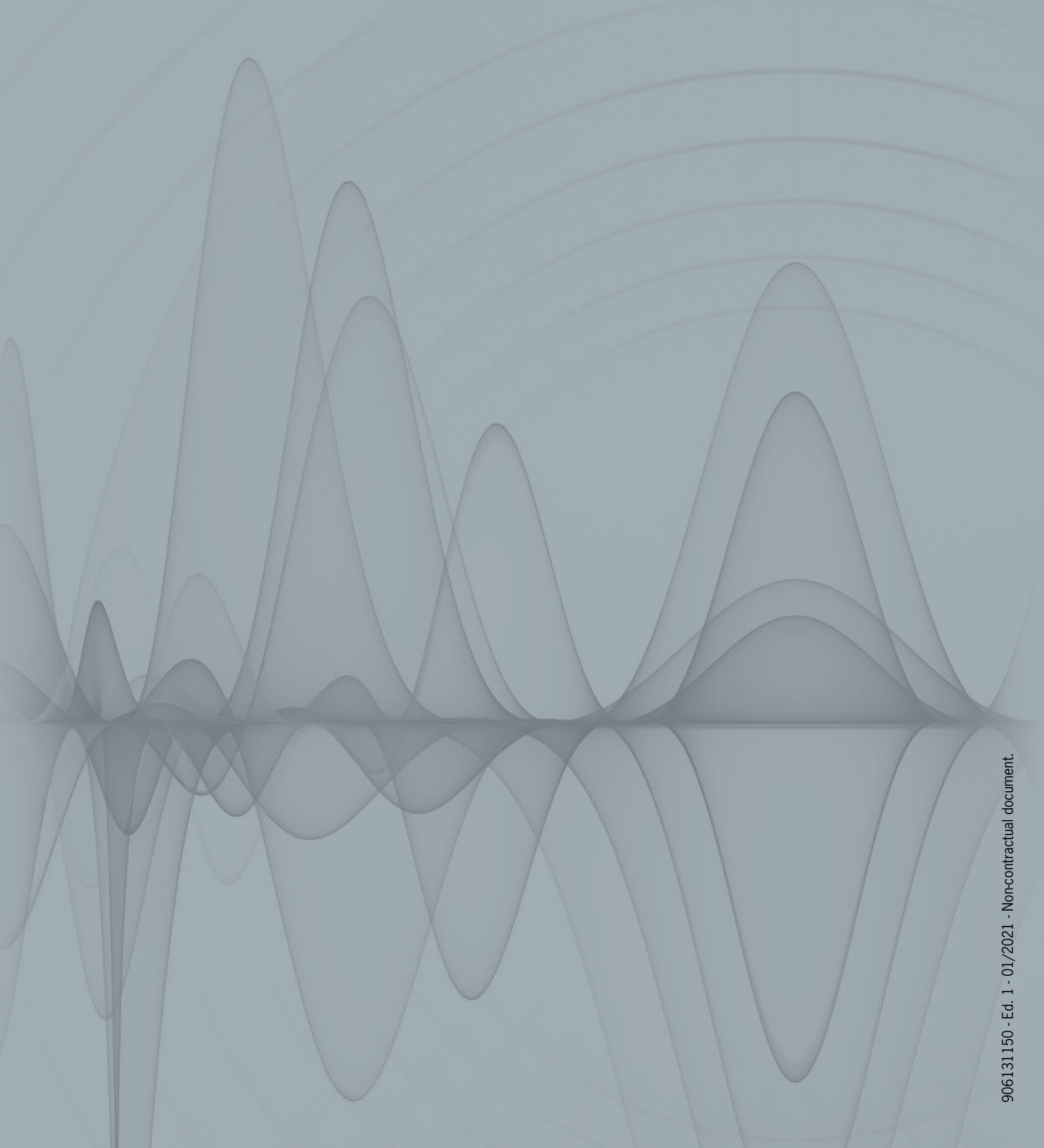
## XG 2102

0.2 Hz to 2 MHz 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  $\pm 10$  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



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

# Multimetrix

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