

MX 24 - MX 24B - MX 26 5,000-count Digital Multimeters



MX Concept Series

Ergonomic, rugged and safe

- TRMS (AC+DC) measurements for precise, accurate results
- Bandwidth of up to 100 kHz
- Innovative design with a compact, rugged casing
- Large display with bargraph and backlighting for easy reading
- Numerous functions: MIN/MAX, AVG, MEM and/or AUTO MEM, etc.
- Single access to batteries and fuses with extra safety
- An optical RS 232 link to process the data on a PC with high-performance, user-friendly software (MX 26)
- An elastomer protective sheath and a wide range of measurement accessories

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5,000-count digital multimeters

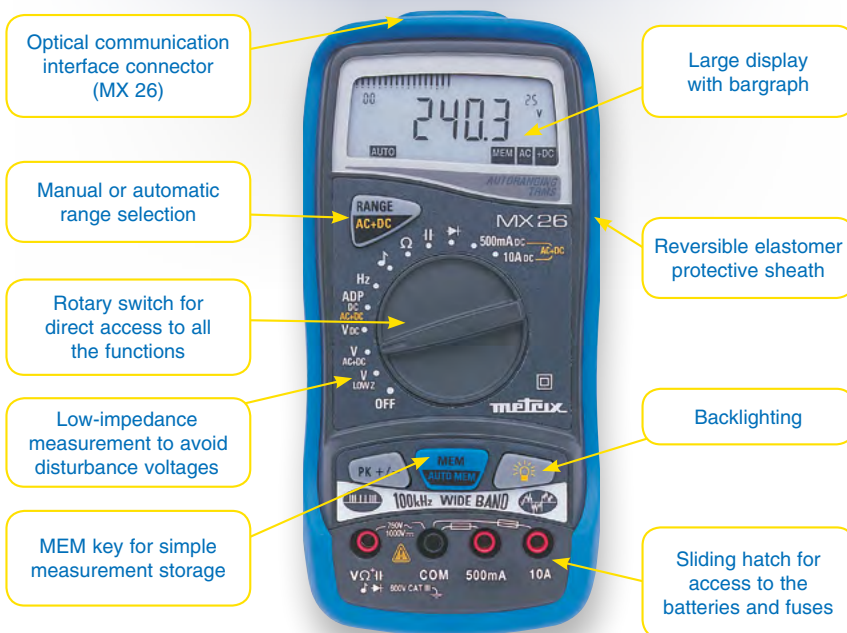
> Elegant, rugged design

In addition to their elegant design, the MX Concept multimeters are particularly **well balanced and comfortable to handle**. Furthermore, in their **elastomer sheath**, they can resist even the severest operating conditions. The instrument can also be stored safely by reversing it in the sheath, thus ensuring that the screen and keys are fully protected.

> All-round simplicity

A **rotary switch and a set of extra-wide keys** give you **direct access to all the necessary functions (MIN, MAX, AVG, measurement storage, etc.)**.

The labels on the keys are particularly explicit so that users can quickly learn to use the instrument's functions intuitively.



◀ If you turn them round in their sheath, MX Concept multimeters will resist even the severest treatment!

> Even greater safety

Everything is safe! First of all, **automatic shutdown** of the instrument after 30 minutes without use optimizes the life span of your battery. Secondly, an automatic detection function indicates the presence of a voltage greater than 24 V or a current greater than 10 A.

Lastly, the battery and fuses are not accessible unless the measurement leads have been disconnected.

> Results at a glance

The MX Concept models all have a **large display**. This allows indication of the measurement unit and conditions (batteries too low, AC or AC+DC measurement, autoranging, etc.). A **fast segmented bargraph** instantly indicates the measurement trend and **backlighting** makes the display easy to read even in dark conditions.

All the instruments in the MX Concept range are equipped with the **MEM storage function**. By gently pressing this key, you can lock the display, while a second press switches it back to normal display mode. In addition, they are equipped with the **AUTO MEM function**. This enables you, after opening the measurement circuit, to hold the last non-zero value measured which remained stable for at least 1 s. This is particularly useful when the measurement points are difficult to access, forcing the user to concentrate on the test probes.

> Dedicated functions

In this way, when the rotary switch is set to ADP, these multimeters propose a **500 mVDC or AC+DC calibre** for the use of complementary accessories: temperature sensor, tachometric sensor, current sensor, etc. In addition, their **V_{Lowz} function** (low impedance) avoids measuring the phantom voltages which may be encountered in electrical systems due to the stray capacitance of the cables.

> Battery and fuse changes made easy!

What could be more tiresome than looking for a screwdriver when you need to change the batteries or fuses? The MX Concept casing is specially designed to make this operation quick and easy, using any tool to hand: coin, pen, steel rule, etc.



▲ Access to the battery and fuses is particularly easy and they can be changed in total safety, as it is impossible to open an MX Concept casing without first disconnecting the leads. In addition, both the battery and the fuses benefit from genuine dedicated housings separated from the electronic circuit board.

SPECIFICATIONS



TECHNICAL SPECIFICATIONS	MX 24	MX 24B	MX 26
Display resolution (counts)		5,000 / 50,000 *	
Measurements		TRMS AC+DC	TRMS AC & AC+DC
20 meas./s fast bargraph		●	
Backlighting / Auto-shutdown		● / ●	
Bandwidth		1 kHz	100 kHz
Auto / manual ranges		● / ●	
MEASUREMENTS AVAILABLE			
DC voltage (ranges)		500.0 mV to 1,000 V	
DC voltage basic accuracy		0.3 % R + 2 D	
AC or AC + DC voltage (ranges)		500.0 mV to 750 V	
AC or AC+DC voltage basic accuracy		1.5 % R + 2 D	1 % L + 3 D
DC/ AC+DC current (ranges)	50.00 mA - 20.00 A	500.0 mA - 20.00 A	500.0 mA - 10.00 A
DC current basic accuracy		0.3 % L + 2 D	
AC or AC+DC current basic accuracy		1.5 % L + 2 D	
Resistance (ranges / accuracy)		500.0 Ω to 50.00 MΩ / 0.3 % + 3 D	
Fast continuity test with buzzer		< 10-20 Ω / 10 ms	< 10-15 Ω / 1 ms
Diode test		●	
Frequency (ranges / accuracy) *		5.0000 Hz to 500.00 kHz / 0.03 % + 2 D (5,000 or 50,000 counts)	
Capacitance (ranges / accuracy)		50.00 nF to 50.00 mF / 1 % R + 4 D	
Low-impedance measurements (V _{Lowz})	5.000 V to 750 V (AC+DC)		5.000 V to 750 V (AC)
MEASUREMENT PROCESSING			
Hold / Auto-Hold display functions		● / ●	
Min / Max / Avg / Pk monitoring		● / ● / ● / -	- / - / - / ●
SAFETY AND RELIABILITY			
IEC 61010-1, 2001		600 V CAT III	
Batteries / fuses		Separate compartments - protected access and fuse test system	
"Closed-casing" soft calibration		●	
GENERAL SPECIFICATIONS			
Power supply		9 V battery	
Battery life		250 h	500 h
Dimensions (H x L x W) / weight		170 x 80 x 35 mm / 285 g with battery	
Warranty		3 years	

To order

Accessories included as standard

An elastomer sheath, a set of 2 safety leads, 9 V battery installed

- **MX 24** **MX0024-CG**
- **MX 24** delivered in hard case **MX0024-CL**
- **MX 24B** in blister pack **MX0024B-CZ**
- **MX 24B** delivered in hard case **MX0024B-CL**
- **MX 26** **MX0026-G**
- **MX 26** delivered in hard case **MX0026-T**
with 1 optical interface and software SX-DMMK2 kit

Optional accessories

- **Sheath with stand** for MX 24 **AE0237**
- **Carrying case** (110 x 240 x 50 mm) **HX0018**
- **Carrying bag** (185 x 270 x 60 mm) **AE0190**
- **Hard case** with Metrix® logo (270 x 195 x 65 mm) **HX0009**
- **Infrared temperature probe** -30 °C to +550 °C (1 mV/°C) **P01651610Z**
- **CMS clamp** (banana lead) **HX0064**
- **USB/RS232 PC accessory** for MX 26 **HX0055**

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