

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





MX 24 - MX 24B - MX 26

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.







Sliding hatch for

access to the

batteries and fuses

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

MEM key for simple

measurement storage

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.





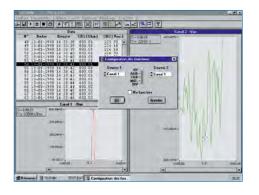
Access to the battery and fuses is particularly easy and they can be changed in total safety, as it is impossible to open an MX Concept casing without first disconnecting the leads. In addition, both the battery and the fuses benefit from genuine dedicated housings separated from the electronic circuit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

MX 24 - MX 24B - MX 26

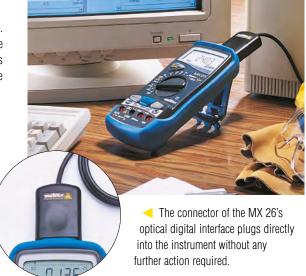
5,000-count digital multimeters

> Communication and software

Thanks to its infrared digital output, the MX 26 can be connected directly to a computer in total safety. Stream acquisition is performed at rates of up to 2 measurements per second. Users can record the data, display them in graphic form and export them, at any time, into spreadsheet software such as Excel (SX-DMMK2 software). It can also be coupled with up to 4 multimeters to constitute a genuine multi-channel measurement acquisition system.



▲ The SX-DMMK2 multilingual communication kit is easy to use with the MX 26 for data acquisition via RS232.



Quick selection guide for clamps suitable for use with MX Concept multimeters



Specific use	AC current							
Products	MINI02	MINI05	MN08/09	MN89	C106/C107	Mini <i>FLEX</i>	Mini <i>FLEX</i>	Amp <i>FLEX</i> ™
Reference	P01105102Z	P01105105Z	P01120401/02	P01120415	P01120304/05	P01120560	P01120561	P01120504
Useful measurement range associated with the multimeter for use of 5 % to 100 % of the multimeter's ranges								
MX 24	2.5 A to 50 A	25 mA to 100 A	2.5 A to 50 A		25 A to 1,200 A	0.5 A to 300 A	0.5 A to 3,000 A	0.5 A to 2,000 A
MX 24B / MX 26	25 A to 100 A	25 IIIA 10 100 A	12 A to 240 A					
Clamp performance								
Bandwidth	10 kHz	500 Hz	10 kHz	10 kHz	10 kHz	20 kHz	20 kHz	20 kHz
Typical accuracy	1 %	3 % - 2 %	1 %	2 %	0,5 %	1 %	1 %	1 %
Clamping diameter	12 mm	12 mm	20 mm	20 mm	52 mm	54 mm	80 mm	140 mm
Output								
Direct reading	YES 1 mA/A	YES 1 mV/mA – 1 mV/A	YES 1 mA/A	YES 100 mV/A	YES 1 mV/A	NO 100 mV/A – 10 mV/A	YES 10 mV/A – 1 mV/A	YES 10 mV/A – 1 mV/A
Connection	Lead	Lead	Sockets/Lead	Lead	Sockets/Lead		Casing, spacing 19 mm	

Specific use	AC & DC current			Leakage current	Process	Current transformer
Products	E6N	PAC11	PAC20	MN73	К2	MN71
Reference	P01120040A	P01120068	P01120071	P01120421	P01120074A	P01120420
Useful measurement range associated with the multimeter for use of 5 % to 100 % of the multimeter's ranges						
MX 24 / MX 24B / MX 26	25 mA - 80 AAC/DC	0.4 A to 600 A _{DC} - 0.2 A to 400 A _{AC}	25 A to 1,400 A _{DC} - 25 A to 1,000 A _{AC}	25 mA to 240 A _{AC}	2.5 mA to 450 mA _{DC} - 2.5 mA to 300 mA _{RMS}	250 mA to 12 A
Clamp performance						
Bandwidth	2 kHz or 8 kHz	10 kHz	5 kHz	10 kHz	1.5 kHz	10 kHz
Typical accuracy	2 % or 4 %	1.5 % - 2 %	2 %	1 % - 2 %	1 %	1 %
Clamping diameter	11.8 mm	39 mm	39 mm	20 mm	3.9 mm	20 mm
Output						
Direct reading	YES 1 V/A – 10 mV/A	YES 10 mV/A - 1 mV/A	YES 1 mV/A	YES 1 V/A - 10 mV/A	NO 10 mV/A	NO 100 mV/A
Connection	Lead	Lead	Lead	Lead	Lead	Lead

SPECIFICATIONS TECHNICAL SPECIFICATIONS MX 24 MX 24B MX 26 5,000 / 50,000 * Display resolution (counts) 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 50.00 mA - 20.00 A 500.0 mA - 20.00 A 500.0 mA - 10.00 A DC/ AC+DC current (ranges) DC current basic accuracy 0.3 % L + 2 D AC or AC+DC current basic accuracy 1.5 % L + 2 D 500.0 Ω to 50.00 M Ω / 0.3 % + 3 D Resistance (ranges / accuracy) Fast continuity test with buzzer < 10-20 Ω / 10 ms < 10-15 Ω / 1 ms Diode test 5.0000 Hz to 500.00 kHz / 0.03 % + 2 D (5,000 or 50,000 counts) Frequency (ranges / accuracy) * Capacitance (ranges / accuracy) 50.00 nF to 50.00 mF / 1 % R + 4 D 5.000 V to 750 V (AC+DC) 5.000 V to 750 V (AC) Low-impedance measurements (VLowZ) **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

250 h

170 x 80 x 35 mm / 285 g with battery

3 years

To order

Battery life

Warranty

Accessories included as standard

Dimensions (H x L x W) / weight

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	
• MX 26	MX0026-G
MX 26 delivered in hard case	MX0026-T
with 1 optical interface and software SX-DMMK2 kit	

Optional accessories

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)	
• IISR/RS232 PC accessory for MX 26	HX0055

For information and ordering

500 h

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