

# MTX 202 & MTX 203

## TRMS AC digital multimeters, up to 6,000 counts



### Ergonomic and multi-purpose: the **B-ASYC** multimeters

- ▶ **TRMS AC current and voltage measurements** with all the ranges in automatic mode for greater simplicity
- ▶ **NCV** no-contact voltage indication for work in total **safety**
- ▶ **Convenient:** backlit screen and built-in torch
- ▶ **Ergonomic:** they fit in one hand
- ▶ **Practical:** thanks to its shockproof sheath with storage slots for leads which is also magnetized for easy mounting on electrical cabinets



So simple to use that even inexperienced users quickly feel at ease with them, the B-ASYC MTX 202 and MTX 203 multimeters nevertheless offer top performance.

Monochrome digital display (52 x 37 mm) with blue backlighting.

The display turns red if a 230 V voltage is present with the NCV no-contact setting.

**Compact, easy-grip casing:**  
small volume, slim profile, light weight.


Their multi-function sheath is magnetized to facilitate measurements in electrical cabinets, in particular.

Compatible with the MultiFIX mounting system, they can also be hooked onto a cabinet, on your belt or suspended...

Electricians can position the multimeter at eye level, leaving their hands free for more efficient working.



3 keys only on the front panel give access to all the different functions.

- **HOLD** to freeze the measurement or activate the backlighting or the torch function  by pressing for more than 2 s.

-  to access the secondary measurements indicated in yellow at each position.

A function for automatic shutdown after 30 minutes without use helps to optimize the battery life. It is also possible to activate a **Permanent** mode.

- **Range** to switch from auto-ranging to manual ranging in order to improve the accuracy.

The rotary switch, with 1 position per type of measurement, is easy to use with just one finger.

3 or 4 terminals, 4 mm double well, compliant with IEC 61010-2-033 ed.1, 600 V CAT III



## EXTRA-PRACTICAL

With their slots on the back for fixing the leads, spaced 19 mm apart, these multimeters are ideal for measurements on European power sockets. Everything is designed with hands-free use in mind.



A stand offering several positions maintains the multimeter at the required height for optimum display on a laboratory benchtop, etc.

The built-in torch can be used to light the point of measurement effectively when conditions are too dark for normal work.



Access to the batteries and fuses is simple: Just two screws to open the hatch.



## APPLICATIONS

Capable of operating from -20 °C to +55 °C, with IP54 protection and double insulation, these instruments are ideal for diverse uses in multiple environments. The MTX 202 & MTX 203 meet the needs of all self-employed electricians. They cover all the traditional measurements (current, voltage, etc.).

Ideal for **day-to-day use**, the compact casing fits comfortably in one hand and is easy to stow in your toolbox to accompany you for all your applications in the field.

The **MTX 202 and MTX 203** also enable installers to perform the necessary tests, such as measuring the temperature with the K thermocouple contact sensor delivered as standard, **when checking the control system of a radiator, for example.**



**Electrical maintenance** operations are optimized thanks to the  $V_{LowZ}$  low-impedance voltage measurement function which frees you from the effects of stray voltages linked to computer equipment or other sources when carrying out maintenance work in offices or tertiary buildings.

It is also very easy to carry out **initial troubleshooting** on PCBs by measuring the resistance, capacitance, diode, etc. The MTX 202 & MTX 203 are so simple that technicians can use them to detect faulty components or connections very quickly.

The **NCV** function offers indication without contact, which is particularly easy to use. The screen changes colour if a voltage is present, making it very practical for detecting 230 V cables.



Technical specifications	MTX 203	MTX 202	Basic accuracy	Resolution
	6,000 counts	4,000 counts		
AC voltage (10 MΩ or 500 kΩ)	0.6 V to 750 V	0.4 V to 600 V	0.5 % + 4 D	0.001 V
DC voltage (10 MΩ)	0.6 V to 1,000 V	0.4 V to 600 V	0.2 % + 2 D	0.001 V
AC/DC current	10 μA to 6,000 μA	-	0.5 % + 5 D	0.1 μA
AC/DC current	6 mA to 600 mA	-	0.5 % + 5 D	0.01 mA
AC/DC current	0.002 A to 10 A	0.02 A to 10 A	1 % + 5 D	0.001 A
TRMS AC bandwidth	1 kHz for voltage and current		-	-
Diode test / resolution	3 V / 0.001 V		10 %	-
Temperature with K thermocouple (°C / °F)	-55 °C to +1,200 °C		2 %	0.1 °C
Resistance	1 Ω to 60 MΩ	1 Ω to 40 MΩ	0.5 % + 5 D	0.1 Ω
Continuity	600 Ω - beep < 50 Ω	400 Ω - beep < 50 Ω	-	-
Capacitance	1 nF to 100 mF		2 % + 5 D	0.001 nF
Protection	IP54		-	-
Safety	IEC 61010-2-033 600 V CAT III		-	-
Power supply	2 x 1.5 V AA / LR6 / NEDA15A		-	-
Dimensions / weight	170 x 80 x 50 mm / 320 g		-	-
Warranty	2 years		-	-

## STATE AT DELIVERY

### MTX 202-Z and MTX 203-Z multimeters delivered in blister pack:

- 1 shockproof sheath
- 1.5 m lead with Ø 4 mm elbowed plug / Red CAT III 600 V test probe,
- 1.5 m lead with Ø 4 mm elbowed plug / Black CAT III 600 V test probe,
- Flexible K thermocouple with Ø 4 mm adapter,
- 1 operating manual on paper,
- 2 x 1.5 V AA batteries.

### Optional accessories:

- P01102100Z** MultiFIX accessory for digital multimeters
- P01102097** SHT40KV HV probe
- P01102107Z** Adapter + TK temperature sensor
- HX0064** CMS clamp
- P01297096** F1000 V 10 A fuse, 10 x 38 mm (x 5)
- P01297098** F1000 V 0.63 A fuse, 6.3 x 32 mm (x 5)
- HX0052B** MTX digital multimeter transport kit



#### MultiFIX accessory

The MultiFIX accessory can be used to transport and fix the multimeters for greater user comfort.



#### SHT40KV voltage probe

Maximum rated voltage: 40 kVDC, 28 kVrms or 40 kVpeak  
Input/output division ratio: 1 kV/1 V



#### SK thermocouple

For temperature measurement from -50° to +120° C