



metrix®

# MTX 202, MTX 203 & MTX 204

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



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

- ▶ **TRMS AC or AC + DC current and voltage measurements** with all the ranges in automatic mode for greater simplicity
- ▶ Min, Max, ΔREL, HOLD and NCV functions
- ▶ **Convenient:** backlit screen and built-in torch
- ▶ **Practical:** a large display and a multi-purpose magnetized shockproof sheath



IEC 61010-2-033  
600 V CAT III

IP  
54

Measure up



# ERGONOMIC WITH ALL THE BASICS

So simple to use that even inexperienced users quickly feel at ease with them, the B-ASYC MTX 202, MTX 203 and MTX 204 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.



Few 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.

It is also possible to activate a **Permanent** mode.

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

- **Max Min**, to define the extent of the variations of the electrical quantity measured.

- **ΔREL**, differential measurement to obtain the deviation from the defined reference value by digital means

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, 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.



## 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 200 meets the needs of all self-employed electricians. They cover all the traditional measurements (current, voltage etc.) up to 1000 VDC, 750 VAC/AC+DC.

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 200** also enables 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.**

With the MTX 204, a TRMS AC/AC+DC model, you can measure distorted signals with stability and accuracy to identify any faults. The frequency and the duty cycle are measured.

**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 200 is 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.



# MTX 202, MTX 203 & MTX 204

Technical specifications	MTX 202	MTX 203	MTX 204	Basic accuracy			Resolution
	TRMS 4,000 counts AC/DC	TRMS 6,000 counts AC/DC	TRMS 6,000 counts AC/DC/AC+DC				
<b>Functions</b>	<b>Ranges</b>			AC	DC	AC + DC*	
Voltage with adapter (mV)	-	-	10 mV to 60 mV	1 % + 6D	1 % + 6D	1 % + 6D	0.01 mV
Voltage AC/AC + DC (10 MΩ ou 500 kΩ) / 4 ranges	0.4 to 600 V	0.6 V to 750 V	0.6 to 750 V	0.5 % + 4 D	-	1 % + 4D	0.001 V
Tension DC (10 MΩ) / 4 ranges	0.4 to 600 V	0.6 V to 1,000 V	0.6 to 1,000 V	-	0.2 % + 2D	-	0.001 V
Current AC/DC/AC + DC (μA) / 2 ranges	-	10 μA to 6,000 μA	10 μA to 6,000 μA	0.5 % + 5 D	0.5 % + 3D	0.5 % + 5D	0.1 μA
Current AC/DC/AC + DC (mA) / 2 ranges	-	6 mA to 600 mA	6 mA to 600 mA	0.5 % + 5 D	0.5 % + 3D	0.5 % + 5D	0.01 mA
Current AC/DC/AC + DC (A) / 2 ranges	0.002 A to 10 A	0.002 A to 10 A	0.002 A to 10 A	0.5 % + 5 D	0.5 % + 5D	0.5 % + 5D	0.001 A
Frequency and duty cycle	-	-	2 Hz to 1 kHz	0.1 % + 3D	-	-	0.001 Hz
Diode test / resolution	3 V / 0,001 V			10 %			-
Température with thermocouple K (°C / °F) / 3 ranges	-55 °C to +1,200 °C		-	2 %			0.1 °C
Resistance / 6 ranges	1 Ω to 40 MΩ	1 Ω to 60 MΩ	1 Ω to 60 MΩ	0.5 % + 5 D			0.1 Ω
Continuity	400 Ω beep < 50 Ω	600 Ω - beep < 50 Ω	600 Ω - beep < 50 Ω	-			-
Other functions	V <sub>LowZ</sub> , HOLD, NCV		V <sub>LowZ</sub> , HOLD, NCV, Min, Max, ΔREL	-			-
Capacitance / 9 ranges	-	1 nF to 100 mF	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						

\*MTX 204 only



**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

## Optional accessories :

<b>P01102100Z</b>	MultiFIX accessory for digital multimeters
<b>P01102097</b>	SHT40KV HV probe
<b>P01102107Z</b>	Adapter + TK temperature sensor
<b>HX0064</b>	CMS clamp
<b>HX0104</b>	Belt bag for multimeter
<b>P01297096</b>	F1000 V 10 A fuse, 10 x 38 mm (x 5)
<b>P01297098</b>	F1000 V 0.63 A fuse, 6.3 x 32 mm (x 5)
<b>HX0052B</b>	MTX digital multimeter transport kit
<b>P01295459Z</b>	Accessories kit for electricians

## STATE AT DELIVERY

**MTX 202-Z, MTX 203-Z and MTX 204-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 (expect MTX 204),  
1 operating manual on paper,  
2 x 1.5 V AA batteries.

**FRANCE**  
**Chauvin Arnoux**  
190, rue Championnet  
75876 PARIS Cedex 18  
Tel: +33 1 44 85 44 38  
Fax: +33 1 46 27 95 59  
export@chauvin-arnoux.fr  
www.chauvin-arnoux.com

**UNITED KINGDOM**  
**Chauvin Arnoux Ltd**  
Unit 1 Nelson Ct, Flagship Sq, Shaw Cross Business Park  
Dewsbury, West Yorkshire - WF12 7TH  
Tel: +44 1924 460 494  
Fax: +44 1924 455 328  
info@chauvin-arnoux.co.uk  
www.chauvin-arnoux.com

**Middle East**  
**Chauvin Arnoux Middle East**  
P.O. BOX 60-154  
1241 2020 JAL EL DIB - LEBANON  
Tel: +961 1 890 425  
Fax: +961 1 890 424  
camie@chauvin-arnoux.com  
www.chauvin-arnoux.com

 **CHAUVIN  
ARNOUX**  
GROUP