

ASYC IV Recorder-Multimeters
Graphical colour screen, TRMS AC, DC and AC+DC

Check out the new METRIX ASYC IV Recorder-Multimeters



Type	Graphics	
Models	MTX3292	MTX3293
Display	graphical colour display (70 x 52 mm)	
Keypad	7 function keys + setup	
Power supply	4 x R6 batteries or 4 rechargeable batteries	
Communication	IR/USB	(Bluetooth option)
Storage	1,000 measurements	6,500 measurements

These portable **graphical colour** multimeters with digital display provide direct measurements of the main electrical quantities. Their innovative design ensures that they are compact, rugged, leakproof and comfortable to hold.

The major advantages lie in the product's HMI, the advanced measurement functions and the measurement assistance provided:

- **Large** backlit **colour graphical** LCD, 320 x 240 pts (70x52 mm)
- **Graphical display**, monitoring, storage, specifications on 4 measurement levels (1 main and 3 secondary) simultaneously
- Digital switch with **lighting** of main function keys (8 positions)
- **Contextual reminder** of connections on screen
- Automatic detection and indication if a hazardous voltage is present on the instrument's terminals
- Automatic detection of connection on the "A" terminal
- **Clamp function** with direct current measurement by integrating the exact ratio
- Current autoranging, single A terminal up to 10 A (20 A for 30 s)
- **Low-pass filter** for measurements on PWM signals
- 100 Ohm low-resistance mode with current injection for measurements on motor coils
- **Reinforced IP67** ingress protection
- Compliance with EMC standards and IEC601010 low-voltage directives **1000VCAT III** or **600V cat IV**
- **SX-DMM** software for data processing in real time and after acquisition and Digital calibration: client software available as an option
- **Firmware upgrading** by the customer by download from our website

Technical specifications	MTX3292				MTX3293		
DC, AC and AC+DC voltages							
Range	100 mV *	1,000 mV	10 V	100 V	1,000 V		
Resolution	1 µV	10 µV	0.1 mV	1 mV	10 mV		
DC accuracy		0.03%	I		0.02%		
AC and AC+DC bandwidth			100 kHz	I	200 kHz		
AC and AC+DC basic accuracy		0.3%		I			0.3%
VlowZ AC basic accuracy (500 kOhm)		0.3%		I			0.3%
DC, AC and AC+DC current							
Range	1,000 µA	10 mA	100 mA	1,000 mA	10 A	/100 A **20 A (30 s max)	
Resolution	10 nA	0.1 µA	1 µA	10 µA	100 µA	1,000 µA	
DC accuracy				0.1%			
AC and AC+DC bandwidth				20 kHz			
AC and AC+DC accuracy				0.3%			
Frequency							
Frequency range	10 Hz	100 Hz	1 kHz	10 kHz	100 kHz	1 MHz	5 MHz
Resolution	0.0001 Hz	0.001 Hz	0.01 Hz	0.1 Hz	1 Hz	10 Hz	100 Hz
Resistance and continuity							
Ranges	100 Ω *	1 kΩ	100 kΩ	1,000 kΩ	10 MΩ	100 MΩ	
Resolution	0.001 Ω	10 mΩ	100 kΩ	10 Ω	10 Ω	1 kΩ	
Basic accuracy				0.07%			
Protection				1,000 V electronic protection			
Audible continuity detection				1000 Ω SIGNAL <20 Ω < 3.5V			
Diode test							
Voltage measurement				Diode 0 -2.6 V < 1 mA + Zener diode or LED 0-20 V < 11 mA			
Capacitance							
Ranges	1 nF	10 nF	100 nF	1,000 nF	10 µF	100 µF	1 mF 10 mF
Resolution*	1 pF	10 pF	0.1 nF	1 nF	0.01 µF	0.1 µF	1 µF 10 µF
Temperature with Pt100/1,000 and K/J TC							
Operating range				-200°C à 800°C with Pt and -40 to +1,200°C with K TC			
Accuracy				0.1 % of the reading			
Other measurement functions							
MAX/MIN /AVG monitoring				On all the main positions with time/date-stamping			
REL				REF-delta relative value, unit or on 3 displays + main measurement			
Filtre MLI				4th-order 300 Hz low-pass filter for measurements on variable speed drives (asynchronous motors)			
SPEC				Display of measurement tolerance +Smin+Smax			
GRAPH				Trend of main measurement < 60 s			
Secondary MEASurements				3 measurements + main measurement			
Measurement storage		1,000		I		6,500	
General specifications							
Type of display				Graphical colour display (70 x 52) with backlighting and black background on 4 x 100,000 count displays			
PC interfaces				USB optical connector or Bluetooth (option)– SX-DMM software			
Power supply				Charger or 4 x AA batteries or Ni-MH rechargeable batteries			
Safety / EMC				Safety as per IEC61010-1 (2001) 1,000V CAT III /600 V CAT IV – EMC as per EN61326-1			
Environment				Storage -20 °C to +70 °C – Operation 0 °C to +40 °C			
Mechanical specifications				Dimensions (L x W x H): 196 x 90 x 47.1mm – Weight: 570 g			
Warranty				3 years			

To order

MTX3292 and MTX3293 delivered with plus MTX3292-BT and MTX3293-BT LV versions

4 x Ni-MH rechargeable batteries, 2400 mA H 1.5 V
 Red cable 1.5 m long, straight/straight
 Black cable 1.5 m long, straight/straight
 Red test probe, CAT IV 1 kV
 Black test probe, CAT IV 1 kV
 USB optical cable + SX-DMM software
 User's Guide on CD and Startup Guide on paper



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