

DIGITAL MULTIMETERS

3000 SERIES



1000 V
CAT III

600 V
CAT IV

600 V
CAT III

300 V
CAT IV



MTX 3290 only

MODELS MTX 3290 & 3291

A compact, rugged, comfortable to grip, waterproof meter (to IP67 standard)



MTX 3290

MTX 3291



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FEATURES

- Easy-to-read (2.75 x 2.04) in (70 x 52) mm LCD screen
- On screen connection indicator
- Current: auto-ranging up to 10 A
- AC/DC/AC+DC current up to 6000 A with a current clamp giving direct readings
- Secondary measurements in addition to the main measurement to facilitate analysis
- MIN/MAX and AVG data with relative time/date-stamping and voltage and current peaks
- SX-DMM software for real-time processing of the data on a PC (MTX 3291)
- Powered by four standard AA batteries or four NiMH batteries rechargeable available with optional external charging module

PRODUCT INCLUDES

Set of color-coded (red/black) safety leads, set of (2) color-coded (red/black) test probes, (4) 1.5 V AA alkaline batteries (installed), multilingual operation instructions, quick start guide, and a USB drive with user manual.

Model MTX 3291 also includes a soft carrying case, USB cable, and USB drive with SX-DMM software.



MODELS	MTX 3290	MTX 3291
ELECTRIC		
DC, AC & AC+DC Voltages	600 V	1000 V
Voltage DC Accuracy	± 0.3 %	± 0.05 %
AC & AC+DC Bandwidth	20 kHz	100 kHz
DC, AC & AC+DC Current	600 µA to 10 A (MTX 3291)	
Current DC Accuracy	± 1.2 %	± 0.08 %
Frequency	600 kHz	
Resistance	60 MΩ	
Audible Continuity	< 30 Ω	
Diode Test	3 V with 1 mV resolution	
Capacitance	60 mF	
Temperature Pt 100 / 1000	(-328 to 1472) °F (-200 to 800) °C	
Temperature K / J TC	—	
OTHER FUNCTIONS		
MIN / MAX / PEAK	Time / date-stamped MAX / MIN / AVG or PEAK ±, on all functions	
Relative Mode (ΔRel)	Relative value + measured reference value on secondary display (MTX 3291)	
PWM Filter	4 th order 300 Hz low-pass filter for measuring variable speed drives with asynchronous motors	
V-Output Clamp Function for Direct Reading	Integration of the ratio: (1, 10, 100, 1000) mV/A	
Secondary Functions or Measurements	dBm and VA resistive power, + /- duty cycle, and pulse width (MTX 3291)	
SPEC Mode	—	
GRAPH	—	
Center Zero	Selectable or automatic (MTX 3291) bargraph for V _{DC} and A _{DC}	
Memory	—	
GENERAL		
Display	Digital LCD	Digital LCD with backlighting
Communication	—	USB optical connector & SX-DMM software (included)
Power Supply	(4) AA batteries (included) or NiMH batteries	
Environment	Storage: (-4 to 158) °F (-20 to 70) °C Operation: (32 to 104) °F (0 to 40) °C	
Dimensions	(7.72 x 3.54 x 1.85) in (196 x 90 x 47) mm	
Weight	20 oz (570 g)	

Consult factory for NIST Calibration prices.

CAT. # DESCRIPTION

2154.01	DMM Model MTX 3290 (ASYC IV, TRMS, 6000-cts, Digital LCD)
2154.02	DMM Model MTX 3291 (ASYC IV, TRMS, 60,000-cts, USB, Backlit, Digital LCD)

