

DIGITAL MULTIMETERS

3000 SERIES



MODELS MTX 3290 & 3291

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

SPECIFICATIONS

MODELS	MTX 3290	MTX 3291
ELECTRIC		
DC, AC & AC+DC Voltages	60 mV to 600 V	60 mV to 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 / 20 A (30 s max) (MTX 3291)	
Current DC Accuracy	± 0.08 %	
Frequency	60 Hz to 600 kHz	
Resistance	600 Ω to 60 MΩ	
Audible Continuity	600 Ω signal < 30 Ω ± 5 Ω < 5 V	
Diode Test	3 V with 1 mV resolution	
Capacitance	6 nF to 60 mF	
Temperature Pt100/1000	(-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	LCD with backlighting (MTX 3291) and digits 14 mm high; Dual-line 60,000 (MTX 3291) or 6000-count display	
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



MTX 3290



MTX 3291



MTX 3290 only

FEATURES

- Easy-to-read (2.75 x 2.04) in (70 x 52) mm backlit LCD screen
- On screen connection indicator
- Current: auto-ranging up to 10 A
- 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.



CATALOG NO.	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)

