

DIGITAL MULTIMETERS

3000 SERIES



MTX 3290



MTX 3291

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 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)



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FUNCTIONAL DISPLAYS

The TRMS measurements of AC voltages and currents are also accurate on non-linear signals

MTX 3292B & MTX 3293B COLOR MATRIX GRAPHICAL SCREENS



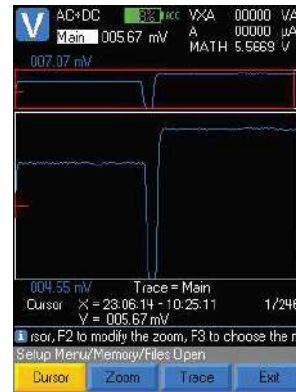
SETUP MENU

Configuration of measurements



MEASUREMENT

Configuration of the measurement parameters



MEM

Storing of the measurements recording mode



HOLD

Management and hold of the display

MTX 3290 & MTX 3291 BACKLIT LCD SCREENS



MAX/MIN AVG

Displays maximum, minimum and average values



PEAK MODE

Example of screen showing Peak+value



ΔREL MODE

Displays relative values with respect to referenced measured value