

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	60mV to 600V	60mV to 1000V
Voltage DC Accuracy	±0.3%	±0.05%
AC & AC+DC Bandwidth	20kHz	100kHz
DC, AC & AC+DC Current	600µA to 10A / 20A (30s max) (MTX 3291)	
Current DC Accuracy	±0.08%	
Frequency	60Hz to 600kHz	
Resistance	600Ω to 60MΩ	
Audible Continuity	600Ω signal < 30Ω ±5V < 5V	
Diode Test	3V with 1mV resolution	
Capacitance	6nF to 60mF	
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	4th-order 300Hz 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, 1000mV/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 Vbc and Acc	
Memory	-	
GENERAL		
Display	LCD with backlighting (MTX 3291) and digits 14mm high; Dual-line 60,000 (MTX 3291) or 6000-count display	
Communication	-	USB optical connector & SX-DMM software (included)
Power Source	4 x AA batteries or NiMH batteries (included)	
Environment	Storage: -4° to 158°F (-20° to 70°C) Operation: 32° to 104°F (0° to 40°C)	
Dimensions / Weight	7.72 x 3.54 x 1.85" (196 x 90 x 47.1mm) / 20.1 oz (570g)	

Consult factory for NIST Calibration prices



MTX 3290 only

FEATURES

- Easy-to-read 2.75 x 2.04" (70 x 52mm) backlit LCD screen
- On screen connection indicator
- Current: auto-ranging up to 10A
- 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 4 standard AA batteries or 4 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) 1.5V AA alkaline batteries (installed), multilingual operation instructions, quick start guide, and a USB drive with a 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)



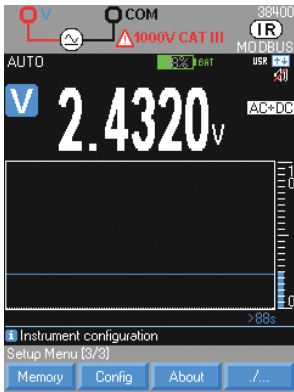
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FUNCTIONAL DISPLAYS

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

MTX 3292B & MTX 3293B COLOR MATRIX GRAPHICAL SCREENS



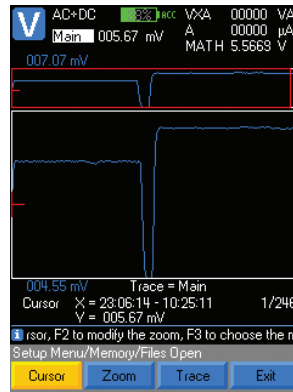
SETUP MENU

Configuration of measurements



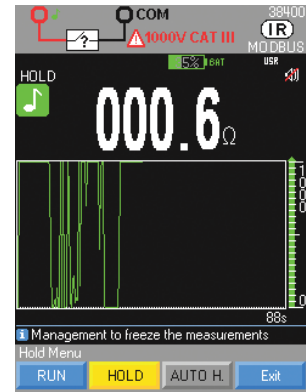
MEASUREMENT

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