

# 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
<b>ELECTRIC</b>		
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	-	
<b>OTHER FUNCTIONS</b>		
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	-	
<b>GENERAL</b>		
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)



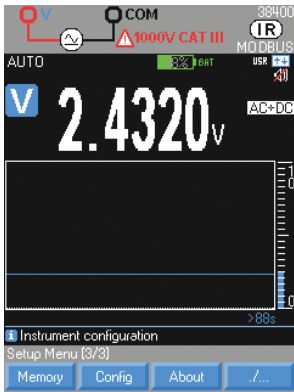
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### FUNCTIONAL DISPLAYS

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

### MTX 3292B & MTX 3293B COLOR MATRIX GRAPHICAL SCREENS



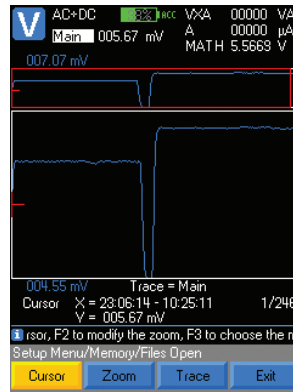
#### SETUP MENU

Configuration of measurements



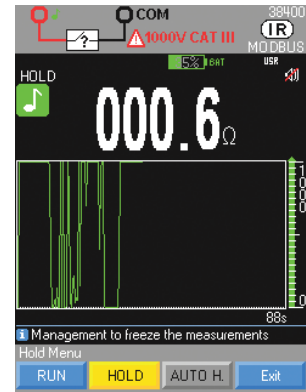
#### MEASUREMENT

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