

Models MTX 3290, MTX 3291, MTX 3292 & MTX 3293

The 1st multimeters with color graphical display!



Model 3290 only



► SPECIFICATIONS

MODELS	MTX 3290	MTX 3291	MTX 3292	MTX 3293
ELECTRICAL				
DC, AC & AC+DC Voltages	60mV to 1000V		100mV to 1000V	
DC Accuracy	±0.3%	±0.05%	±0.03%	±0.02%
AC & AC+DC Bandwidth	20kHz	100kHz	100kHz	200kHz
DC, AC & AC+DC Current	600µA to 10A / 20A (30s max) (MTX 3291)		1000µA to 10A / 10 to 20A (30s max)	
DC Accuracy	±0.08%		±0.01%	
Frequency	60Hz to 600kHz		10Hz to 5MHz	
Resistance	600Ω to 60MΩ		100Ω to 100MΩ	
Audible Continuity	600Ω signal < 30Ω ±5Ω < 5V		1000Ω signal < 20Ω < 3.5	
Diode Test	3V with 1mV resolution		Diode 0 to 2.6V < 1mA + Zener Diode or LED 0 to 20V < 11mA	
Capacitance	6nF to 60mF		1nF to 10mF	
Temperature Pt100/1000	-328° to 1472°F (-200° to 800°C)			
Temperature K/J TC	-		-40° to 2192°F (-40° to 1200°C)	
OTHER FUNCTIONS				
MIN/MAX/PEAK	Time/date-stamped MAX/MIN/AVG or PEAK ±, on all the functions		URV time/date-stamped MAX/MIN/AVG or PEAK ±, on all the functions	
Relative Mode (ΔRel)	Relative value + measured reference value on secondary display (MTX 3291)		Relative value REF-delta unit or on 3 displays + main measurement	
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: 1/1, 1/10, 1/100, 1/1000mV/A		Programmable ratio	
Secondary Functions or Measurements	dBm and VA resistive power, +/- duty cycle, and pulse width (MTX 3291)		3 measurements + main measurement	
SPEC Mode	-		Display of measurement tolerance: Smin, Smax	
GRAPH	-		Trends of main measurements < 60s + Zoom + Cursor	
Center Zero	Selectable or automatic (MTX 3291) bargraph for VDC and ADC		Automatic trend bargraph	
Memory	-		1000	6500
GENERAL				
Display	LCD with backlighting (MTX 3291) and digits 14mm high; Double 60,000 (MTX 3291) or 6000-count display		Color graphical display (70 x 52) with backlighting on four 100,000-count display	
Communication	-		USB optical connector or Bluetooth Class II (optional) & SX-DMM software (included)	
Power Source	4 x AA batteries or NiMH batteries (included)		Charger or 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) / 20.1oz (570g)			

*Bluetooth Communication for Models 3292-BT & 3293-BT only

**IP Rating, CE mark, Double Insulation and TRMS applies to all models

Functional Displays

Models 3292 & 3293 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 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

► MTX 3292 & MTX 3293 FEATURES

- Easy-to-read 320 x 240 pixel color matrix graphical screen with black background
- Trace, cursors and zoom on recordings
- Programmable storage rate
- Stores of up to 6500 measurements
- On screen connection indicator
- USB or *Bluetooth* Class II communication available as an option
- NiMH AA rechargeable battery
- No downtime: instrument operates while charging

Models 3290 & 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

► PRODUCT INCLUDES



MTX 3290 & MTX 3291 Kits

4 x 1.5V Alkaline batteries, red lead 4.9ft (1.5m), black lead 4.9ft (1.5m), one red (CAT IV 1kV) test probe, black (CAT IV 1kV) test probe, user manual on CD and a quick start guide. Model MTX 3291 also includes a soft carrying case and USB cable with remote programming manual and SX-DMM software.



MTX 3292 & MTX 3293 Kits

Soft carrying bag, 4 x NiMH 2400mAh 1.5V rechargeable batteries, charger, red lead 4.9ft (1.5m), black lead 4.9ft (1.5m), red (CAT IV 1kV) test probe, black (CAT IV 1kV) test probe, optical USB cable and SX-DMM software, user manual on CD and quick start guide.

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)
2154.03	DMM Model MTX 3292 (ASYC IV, TRMS, 100,000-cts, USB, Color Graphical Display)
2154.04	DMM Model MTX 3293 (ASYC IV, TRMS, 100,000-cts, USB, Color Graphical Display)
2154.05	DMM Model MTX 3292-BT (ASYC IV, TRMS, 100,000-cts, <i>Bluetooth</i> , USB, Color Graphical Display)
2154.06	DMM Model MTX 3293-BT (ASYC IV, TRMS, 100,000-cts, <i>Bluetooth</i> , USB, Color Graphical Display)