

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

The 1st multimeters with graphical color display!



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\*Model 3290 only

\*Models 3292 & 3293

### SPECIFICATIONS

MODELS	MTX 3290	MTX 3291*	MTX 3292	MTX 3293
<b>ELECTRICAL</b>				
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)*		1000µA to 10A / 100A 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)	
<b>OTHER FUNCTIONS</b>				
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*		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*		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* bargraph for VDC and ADC		Automatic trend bargraph	
Memory	-		1000	6500
<b>GENERAL</b>				
Display	LCD with backlighting* and digits 14mm high; Double 60,000* or 6000-count display		Color graphical display (70 x 52) with backlighting on four 100,000-count display	
Communication	-	USB optical connector & SX-DMM software (included)	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) / 570g			

# 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, one red lead 1.5m, one black lead 1.5m, one red (CAT IV 1kV) test probe, one 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, one charger, one red lead 1.5m, one black lead 1.5m, one red (CAT IV 1kV) test probe, one black (CAT IV 1kV) test probe, one 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)