

# DIGITAL MULTIMETERS

## 3000 SERIES



### MODELS MTX 3292B & 3293B

*Portable multimeter measuring resistance, capacitance, temperature, duty cycle, pulse counts and frequency*



MTX 3292B

MTX 3293B



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

### SPECIFICATIONS

MODELS	MTX 3292B	MTX 3293B
<b>ELECTRICAL</b>		
DC, AC & AC+DC Voltages	100mV to 1000V	
Voltage DC Accuracy	±0.03%	±0.02%
AC & AC+DC Bandwidth	100kHz	200kHz
DC, AC & AC+DC Current	1000µA to 10A / 10 to 20A (30s max)	
Current DC Accuracy	±0.01%	
Frequency	10Hz to 5MHz	
Resistance	100Ω to 100MΩ	
Audible Continuity	1000Ω signal < 20Ω < 3.5V	
Diode Test	Diode 0 to 2.6V < 1mA + Zener Diode 0 to 20V < 11mA	
Capacitance	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	SURV time/date-stamped MAX/MIN/AVG or PEAK ± on all functions	
Relative Mode (ΔRel)	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	Programmable ratio	
Secondary Measurements	3 measurements + main measurement	
SPEC Mode	Display of measurement tolerance: Smin, Smax	
GRAPH	Trends of main measurements < 60s + Zoom + Cursor	
Center Zero	Automatic trend bargraph	
Memory	10,000 measurements	30,000 measurements
<b>GENERAL</b>		
Display	Color graphical display (70 x 52) with backlighting on four-line 100,000-count display	
Communication	USB optical connector or Bluetooth Class II (optional) & SX-DMM software (included)	
Power Source	Charger or (4) 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)	

### FEATURES

#### MTX 3292B & MTX 3293B

- Easy-to-read 320 x 240 pixel color matrix graphical screen with black background
- Trace, cursors and zoom on recordings
- Programmable storage rate
- Stores up to 30,000 measurements (MTX 3293B)
- On screen connection indicator (MTX 3293B)
- USB or Bluetooth Class II communication available as an option
- NiMH AA rechargeable battery
- No downtime: instrument operates while charging

### PRODUCT INCLUDES

#### MTX 3292B & MTX 3292B-BT, MTX 3293B & MTX 3293B-BT

Soft carrying case, set of (2) color-coded safety leads (red/black), set of (2) color-coded (red/black) test probes, Quick Start guide, (4) NiMH 2400mAh 1.5V rechargeable batteries (installed), optical USB cable, USB Type A charger, USB charging cable and USB thumb drive with SX-DMM software.



SHOWN: MTX 3293B

CATALOG NO.	DESCRIPTION
2154.03	DMM Model MTX 3292B (ASYC IV, TRMS, 100,000-cts, USB, Color Graphical Display)
2154.04	DMM Model MTX 3293B (ASYC IV, TRMS, 100,000-cts, USB, Color Graphical Display)
2154.05	DMM Model MTX 3292B-BT (ASYC IV, TRMS, 100,000-cts, Bluetooth, USB, Color Graphical Display)
2154.06	DMM Model MTX 3293B-BT (ASYC IV, TRMS, 100,000-cts, Bluetooth, USB, Color Graphical Display)

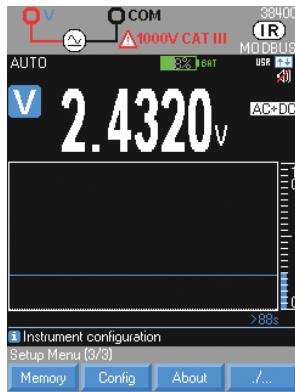
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### FUNCTIONAL DISPLAYS

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

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



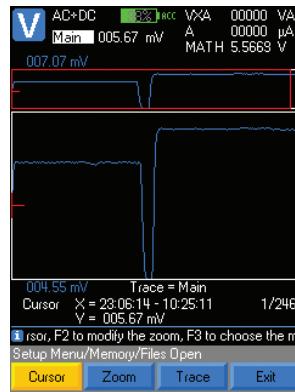
#### SETUP MENU

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



#### AREL MODE

Displays relative values with respect to referenced measured value