

# DIGITAL MULTIMETERS

## 3000 SERIES



MTX 3292B



MTX 3293B

### MODELS MTX 3292B & 3293B

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

### SPECIFICATIONS

MODELS	MTX 3292B	MTX 3293B
<b>ELECTRICAL</b>		
DC, AC & AC+DC Voltages	100 mV to 1000 V	
Voltage DC Accuracy	± 0.03 %	± 0.02 %
AC & AC+DC Bandwidth	100 kHz	200 kHz
DC, AC & AC+DC Current	1000 µA to 10 A / 10 to 20 A (30 s max)	
Current DC Accuracy	± 0.01 %	
Frequency	10 Hz to 5 MHz	
Resistance	100 Ω to 100 MΩ	
Audible Continuity	1000 Ω signal < 20 Ω < 3.5 V	
Diode Test	Diode 0 to 2.6 V < 1 mA + Zener Diode or LED 0 to 20 V < 11 mA	
Capacitance	1 nF to 10 mF	
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	4 <sup>th</sup> -order 300 Hz low-pass filter for measuring variable speed drives with asynchronous motors	
V/A-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 < 60 s + 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 Supply	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	(7.72 x 3.54 x 1.85) in (196 x 90 x 47.1) mm	
Weight	20.1 oz (570 g)	

Consult factory for NIST Calibration prices



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

\*\*Android™ App available on Google Play for Models 3292B-BT & 3293B-BT

### 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
- 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 (red/black) safety leads, set of (2) color-coded (red/black) test probes, printed quick start guide, (4) NiMH 2400 mA-h 1.5 V rechargeable batteries (installed), optical USB cable, USB Type A charger, USB charging cable and USB 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)



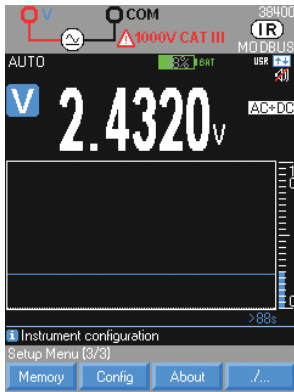
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### FUNCTIONAL DISPLAYS

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

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



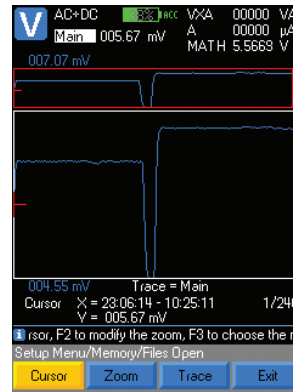
#### SETUP MENU

Configuration of measurements



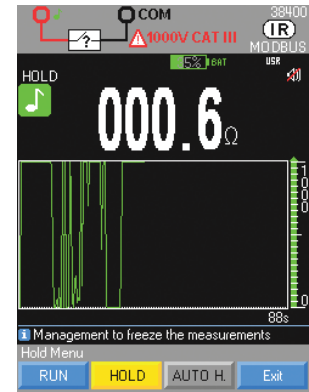
#### MEASUREMENT

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



#### ΔREL MODE

Displays relative values with respect to referenced measured value

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