

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
ELECTRICAL		
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	
OTHER FUNCTIONS		
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 th -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
GENERAL		
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



Google Play **

*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)



DIGITAL MULTIMETERS

3000 SERIES

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