

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
ELECTRICAL			
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 or LED 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)		
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	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	
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 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)

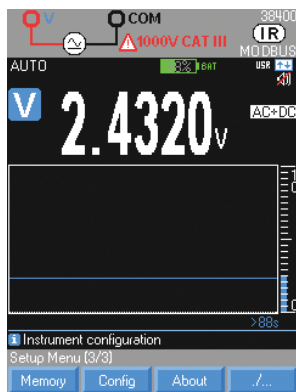
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FUNCTIONAL DISPLAYS

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

MTX 3292B & MTX 3293B COLOR MATRIX GRAPHICAL SCREENS



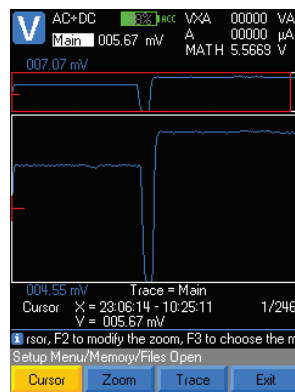
SETUP MENU

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



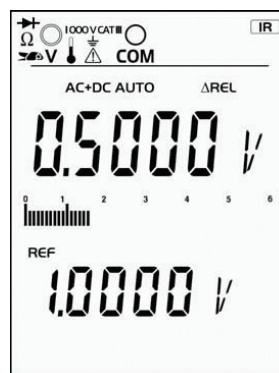
MAX/MIN AVG

Displays maximum, minimum and average values



PEAK MODE

Example of screen showing Peak+ value



ΔREL MODE

Displays relative values with respect to referenced measured value