

DIGITAL MULTIMETERS

3000 SERIES



1000 V
CAT III

600 V
CAT IV



3293B-BT only

MODELS MTX 3293B & 3293B-BT

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



MTX 3293B



MTX 3293B-BT



Google Play
(Android App available on Google Play for Model 3293B-BT)



SCAN TO
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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 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 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.



MODELS	MTX 3293B & 3293B-BT
ELECTRICAL	
DC, AC & AC+DC Voltages	1000 V
Voltage DC Accuracy	± 0.02 %
AC & AC+DC Bandwidth	200 kHz
DC, AC & AC+DC Current	10 A / (10 to 20) A (30 s max)
Current DC Accuracy	± 0.01 %
Frequency	5 MHz
Resistance	1 Ω to 100 MΩ
Audible Continuity	< 20 Ω
Diode Test	Diode 0 to 2.6 V < 1 mA + Zener Diode or LED 0 to 20 V < 11 mA
Capacitance	10 mF
Temperature Pt 100 / 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	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 oz (570 g)

Consult factory for NIST Calibration prices.

CAT. #	DESCRIPTION
2154.04	DMM Model MTX 3293B (ASYC IV, TRMS, 100,000-cts, USB, Color Graphical Display)
2154.06	DMM Model MTX 3293B-BT (ASYC IV, TRMS, 100,000-cts, Bluetooth®, USB, Color Graphical Display)

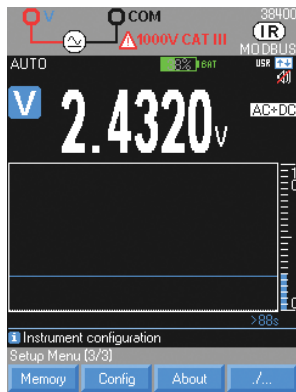
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FUNCTIONAL DISPLAYS

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

MTX 3293B & MTX 3293B-BT COLOR MATRIX GRAPHICAL SCREENS



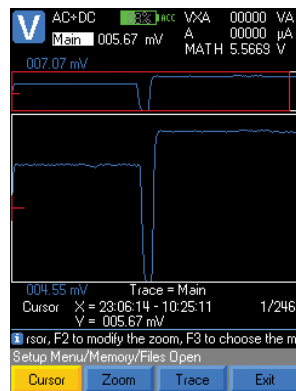
SETUP MENU

Configuration of measurements



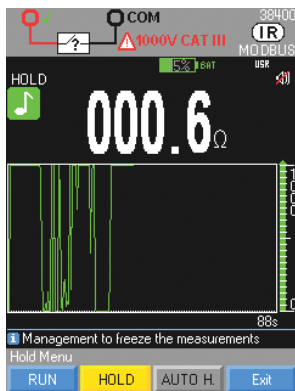
MEASUREMENT

Configuration of the measurement parameters



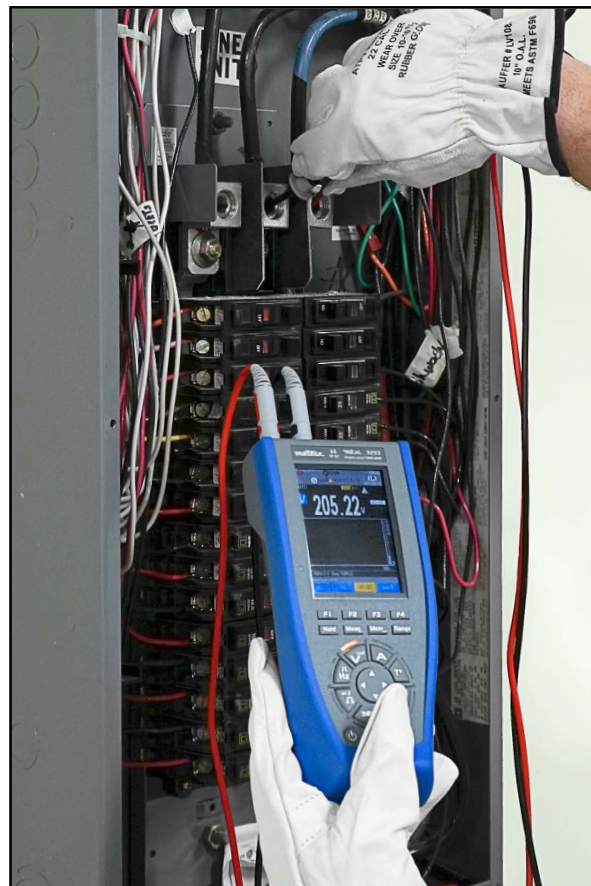
MEM

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

Displays Peak + value



ΔREL MODE

Displays relative values with respect to referenced measured value