

DIGITAL MULTIMETERS

3000 SERIES

Authorized Distributor:

WESCHLER INSTRUMENTS

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1000 V
CAT III

600 V
CAT IV

600 V
CAT III

300 V
CAT IV



MTX 3290 only

MODELS MTX 3290 & 3291

A compact, rugged, comfortable to grip, waterproof meter (to IP67 standard)



MTX 3290

MTX 3291



SCAN TO
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MORE

FEATURES

- Easy-to-read (2.75 x 2.04) in (70 x 52) mm LCD screen
- On screen connection indicator
- Current: auto-ranging up to 10 A
- AC/DC/AC+DC current up to 6000 A with a current clamp giving direct readings
- Secondary measurements in addition to the main measurement to facilitate analysis
- MIN/MAX and AVG data with relative time/date-stamping and voltage and current peaks
- SX-DMM software for real-time processing of the data on a PC (MTX 3291)
- Powered by four standard AA batteries or four NiMH batteries rechargeable available with optional external charging module

PRODUCT INCLUDES

Set of color-coded (red/black) safety leads, set of (2) color-coded (red/black) test probes, (4) 1.5 V AA alkaline batteries (installed), multilingual operation instructions, quick start guide, and a USB drive with user manual.

Model MTX 3291 also includes a soft carrying case, USB cable, and USB drive with SX-DMM software.



MODELS	MTX 3290	MTX 3291
ELECTRIC		
DC, AC & AC+DC Voltages	600 V	1000 V
Voltage DC Accuracy	± 0.3 %	± 0.05 %
AC & AC+DC Bandwidth	20 kHz	100 kHz
DC, AC & AC+DC Current	600 µA to 10 A (MTX 3291)	
Current DC Accuracy	± 1.2 %	± 0.08 %
Frequency	600 kHz	
Resistance	60 MΩ	
Audible Continuity	< 30 Ω	
Diode Test	3 V with 1 mV resolution	
Capacitance	60 mF	
Temperature Pt 100 / 1000	(-328 to 1472) °F (-200 to 800) °C	
Temperature K / J TC	—	
OTHER FUNCTIONS		
MIN / MAX / PEAK	Time / date-stamped MAX / MIN / AVG or PEAK ±, on all functions	
Relative Mode (ΔRel)	Relative value + measured reference value on secondary display (MTX 3291)	
PWM Filter	4 th order 300 Hz low-pass filter for measuring variable speed drives with asynchronous motors	
V-Output Clamp Function for Direct Reading	Integration of the ratio: (1, 10, 100, 1000) mV/A	
Secondary Functions or Measurements	dBm and VA resistive power, + /- duty cycle, and pulse width (MTX 3291)	
SPEC Mode	—	
GRAPH	—	
Center Zero	Selectable or automatic (MTX 3291) bargraph for V _{DC} and A _{DC}	
Memory	—	
GENERAL		
Display	Digital LCD	Digital LCD with backlighting
Communication	—	USB optical connector & SX-DMM software (included)
Power Supply	(4) AA batteries (included) or NiMH batteries	
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) mm	
Weight	20 oz (570 g)	

Consult factory for NIST Calibration prices.

CAT. # DESCRIPTION

2154.01	DMM Model MTX 3290 (ASYC IV, TRMS, 6000-cts, Digital LCD)
2154.02	DMM Model MTX 3291 (ASYC IV, TRMS, 60,000-cts, USB, Backlit, Digital LCD)

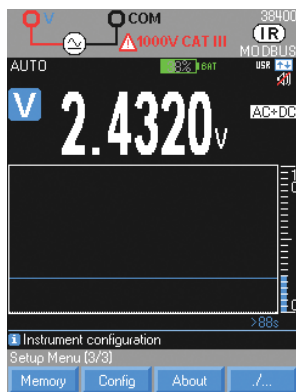
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FUNCTIONAL DISPLAYS

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

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



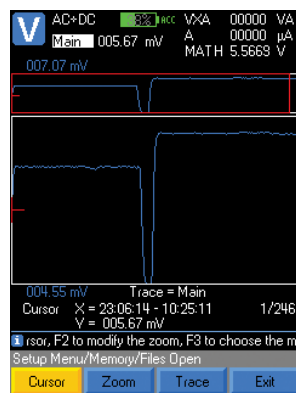
SETUP MENU

Configuration of measurements



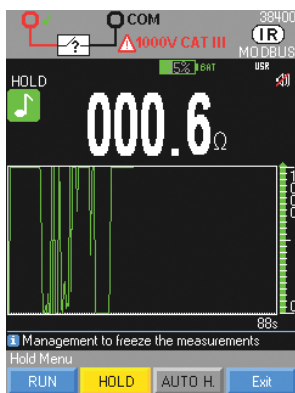
MEASUREMENT

Configuration of the measurement parameters



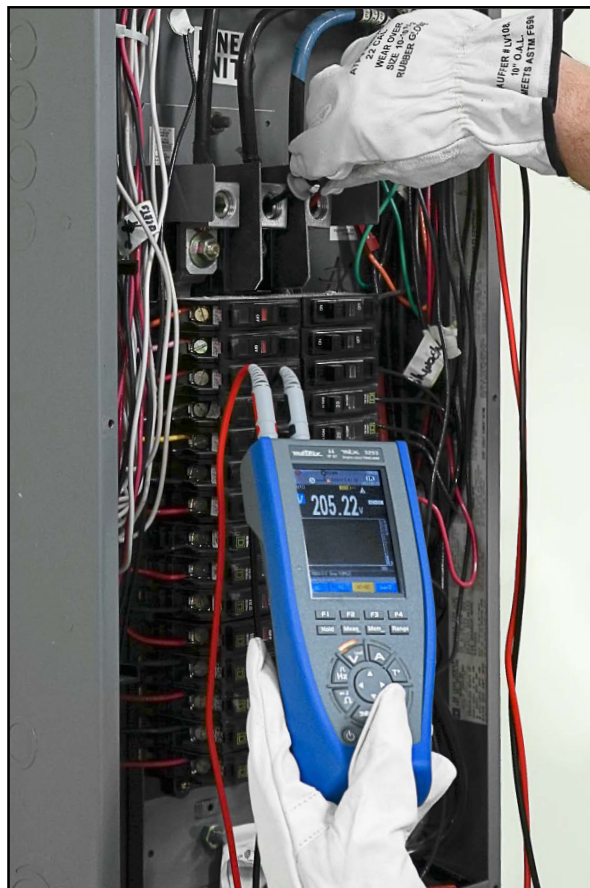
MEM

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