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CEM DT-9989

Professional True RMS Multimeter / Oscilloscope



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DT-9989

Professional True RMS Industrial Multimeter/Oscilloscope with TFT color LCD display

DT-9989 Professional True RMS Industrial Digital Multimeter with oscilloscope functions and TFT color LCD display, providing fast A/D converting sampling time, high accuracy, built-in datalogging and Trend Capture features. Meterbox IMM software & cloud server support to transfer the measured data to the customer's smartphone for edit and storage.

Safety Conformance

EN61010-1 CAT IV 600V, CAT III 1000V

1000V input protection on all ranges

10A/1000V & 0.8A/1000V fuses protection on current ranges

Features
Large 50,000 count 320 x 240 TFT color LCD display
20MHz/50MS/s bandwidth/Real time sample rate
Logging function with Trend Capture for easy review of logged data
Bluetooth PC interface for easy data transfer & accuracy calibration
100kHz bandwidth (voltage/current)
AC, AC+DC true-RMS measurements
0.025% DCV accuracy with Fully PC Calibration
Saves measurements, records events and trends
20 Times/sec. A/D convert fast sampling time
Peak capture (records transients as fast as 250µs)
Min/Max/Average with Time stamp (records signal fluctuations)
Moto winding and low ohm (50Ω) measurement range
Low pass filter
IP Rating 67 & CATIII 1000V/CATIV 600V
Bluetooth interface to smartphone / PC.
Meterbox IMM & cloud service

Size (H x W x D): 220mm x 96mm x 60mm

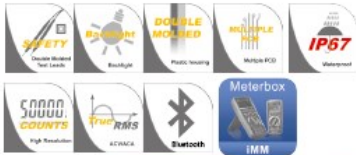
Weight: 631g

Specifications		DT-9989	
Oscilloscope Functions			
Display Size	3.5" color LCD; 320 x 240 pixels		
Bandwidth	20MHz		
Real time sample rate	50MS/s		
Risetime	10ns		
Channels	1		
Vertical Sensitivity	50mV to 200V/div		
Vertical Resolution	8 bits		
Trigger Mode	Free Run, falling edge, rising edge		
Trigger Source	Internal		
Trigger Coupling	AC/DC		
Input impedance	1M Ω /200pF		
Max Input Volatage	1000V(peak)		
Cursor Measurement	Voltage and time/ Frequency		
True RMS Multimeter Functions			
Function	Maximum	Max,resolution	Accuracy
Voltage DC	1000V	1 μ V	$\pm(0.025\% + 5)$
Voltage AC	1000V	1 μ V	$\pm(0.4\% + 40)$
Current DC	10A	0.01 μ A	$\pm(0.15\% + 2)$
Current AC	10A	0.01 μ A	$\pm(0.6\% + 5)$
Temperature	-50 $^{\circ}$ C to 1000 $^{\circ}$ C	0.1 $^{\circ}$ C	$\pm(1.0\% + 2.5^{\circ}$ C)
Resistance	50M Ω	0.01 Ω	$\pm(0.05\% + 2)$
Capacitance	10mF	0.001nF	$\pm(1.0\% + 5)$
Frequency	10MHz	0.01Hz	$\pm(0.005\% + 1)$
Diode and Continuity	Yes		
PC Interface	Bluetooth		
Power Supply	6 hours Li-ion rechargeable battery; AC daptor/charger		

Accessories: Test leads, Li-ion batteries, Type K temperature probe, Bluetooth and Software, gift box with carrying case.

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10MHz Oscilloscope Function



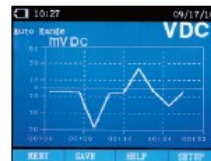
Fast response time



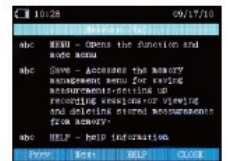
High Resolution & Accuracy



Multifunction Selectable



Trend Capture function



Help Menu

