

Features

- Large 50,000 count 320 x 240 TFT color LCD display
- Logging function with Trend Capture for easy review of logged data
- Graph 100 Data review
- Bluetooth interface for easy data transfer & accuracy calibration
- 10kHz bandwidth (voltage/current)
- AC, ACV+DCV True-RMS measurements
- Records events and trends
- Saves measurements
- Meterbox Pro & cloud service
- 2m drop proof

RS PRO True RMS Multimeter

MPN No: DT-989

RS Stock No.: 0360200, 0360202, 0360203,
0360205, 0360206, 0360211



RS PRO is the own brand of RS. The RS PRO Seal of Approval is your assurance of professional quality, a guarantee that every part is rigorously tested, inspected, and audited against demanding standards. Making RS PRO the Smart Choice for our customers.

Product Description

The 989 Heavy duty True RMS Industrial Digital Multimeter with TFT color LCD display, providing fast A/D converting sampling time, high accuracy, built-in datalogging and Trend Capture features. It can trace any interrupted problems of the equipments and watch on without person. It is easy to find and solve the problems of the production equipments, providing Bluetooth technology and memorizing the datasheets. It is much safer measurements with double molded plastic housing design.

General Specifications

Model Number	RS-989
Enclosure	Double molded. waterproof
Shock(Drop Test)	6.5 feet(2 meters)
Diode Test	Test current of 1.5Ma maximum, open circuit voltage 3.2V DC typical
Continuity Check	Audible signal will sound if the resistance is less than 25 Ω (approx.),test current<0.35mA
PEAK	Capture peaks>1ms
Temperature Sensor	Requires type K thermocouple
Input Impedance	>10M Ω VDC&>9M Ω VAC
AC Responce	True rms
ACV Bandwidth	50Hz to 20000Hz
Display	50,000 count TFTLCD
Overrange indication	"OL" is displayed
Auto Power Off	5-30minutes (approximately) with disable feature
Polarity	Automatic (no indication for positive);Minus(-) sign for negative
Measurement Rate	20 times per second, nominal
Battery	One 7.4 volt(NEDA 1604) battery
Fuses	mA, μ A ranges; 0.8A/1000Vceramic fast blow A range; 10A/1000V ceramic fast blow

Mechanical Specifications

Dimensions	170mm x 79mm x 50mm
Length	50mm
Width	79mm
Height	170mm
Weight	360g

Operation Environment Specifications

Operating Temperature	5 to 40°C (41°F to 104°F)
Storage Temperature	-2 to 60°C(-4°F to 140°F)
Operating Humidity	Max 80% up to 87°F(31°C) decreasing linearly to 50% at 40°C(104°F)
Storage Humidity	50% at 40°C(104°F)
Operating Altitude	<80% 7000ft. (2000meters) maximum

Measurement

Function	Maximum	Max,resolution	Best Accuracy
Voltage DC	1000V	10mV	$\pm(0.05\% + 5)$
Voltage AC	1000V	10mV	$\pm(0.5\% + 5)$
Current DC	10A	10 μ A	$\pm(0.2\% + 5)$
Current AC	10A	10 μ A	$\pm(0.8\% + 5)$
Temperature	-200°C to 1350°C	0.1°C	$\pm(1.0\% + 3^{\circ}\text{C})$
Resistance	50M Ω	10m Ω	$\pm(0.2\% + 10)$
Capacitance	10mF	0.001nF	$\pm(1.0\% + 8)$
Frequency	10MHz	0.0001Hz	$\pm(0.01\% + 5)$

Approvals

Declarations	CE
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