

FEATURES

- 100000/10000 Count extra-large digital display
- 43 segments analogue bar graph
- Auto Backlit
- Auto AC, DC and AC+DC on Voltage
- Current mode with Frequency Indication
- Auto selection on Ohm, Diode or Continuity
- On-Screen-Menu Selection
- Navigator Key Drive
- High-Frequency Rejection (HFR)
- 0.015% DCV accuracy
- AC+DC True RMS indication
- 0.5 ms Peak Hold
- Auto Hold
- Store/Recall memories
- dBm/dB measurement
- 20000 records data logging capacity
- Optical USB interface

RS PRO Digital Multimeters- IDM505 Handheld Digital Multimeter

RS Stock No.: 124-1960



RS Professionally Approved Products bring to you professional quality parts across all product categories. Our product range has been tested by engineers and provides a comparable quality to the leading brands without paying a premium price.

Product Description

RS PRO IDM505 Handheld Digital Multimeter

RS PRO IDM505 digital multimeter is designed for harsh environments. With a watertight gasket at the seams rotary switch, input terminal and battery cover to keep out dust, dirt and splashing. These handheld devices can measure capacitance, voltage, electrical current, frequency, temperature, duty cycle and resistance with diode and continuity check. This meter has an LCD display where the measurement readouts can be viewed.

General Specifications

Model Number (p)	IDM505
Multimeter Type	Handheld
Functions Measured	AC Current, AC Voltage, Capacitance, Continuity, DC Current, DC Voltage, Diode, Duty Cycle, Frequency, Resistance, Temperature
True RMS	YES
Display Type	LCD
Bar graph	43 segments
Operating Temperature (Min to Max)	0°C to +50°C
Storage Temperature (Min to Max)	-20°C to 60°C, 0% RH to 80% RH (batteries not fitted)
Diode Test	Yes
Continuity Test	Yes
Auto power off	Yes, Approx. 10 minutes after last operation
Accuracy	0.015% DCV accuracy
Memory Capacity	20000 records data logging capacity
IO Interface	Optical USB interface with Software included

Measurement

Type	Absolute Maximum Measurement	Resolution	Best Accuracy
DC Current	10A dc	0.1µA	±0.1 % + 4 Digit
AC Current	10A ac	0.1µA	±0.7 % + 80 Digit
Resistance	40MΩ	10mΩ	±0.025 % + 30 Digit
DC Voltage	1000V dc	0.001mV	±0.015 % + 20 Digit
AC Voltage	1000V ac	0.001mV	±0.4 % + 50 Digit
Capacitance	40mF	0.01nF	±0.8 % + 2 Digit
Temperature	+1200°C	0.1°C	±1 % + 1 °C
Frequency	4MHz		

Electrical Specifications

Battery Type	1.5 V AA Alkaline (NEDA 15A)
Battery life	100 h
Safety Category Voltage	600 V, 1000 V

Mechanical Specifications

Dimensions	95 x 51.2 x 200mm
Width	51.2mm
Length	95mm
Height	200mm
Weight	620 (with Holster)g

Protection Category

Safety Category Level	CAT III, CAT IV
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Approvals

Compliance/Certifications	IEC 61010-1: CAT.IV 600V, CAT.III 1000V.
Declarations	RoHS Certificate of Compliance

Similar Products

Stock No.	Brand	Product Name	Multimeter Type	Functions Measured	Digit Resolution
144-5348	RS PRO	HS608 MeterScope Handheld Digital Multimeter With RSCAL calibration	Handheld	AC Current, AC Voltage, Capacitance, Conductance, DC Current, DC Voltage, Diode, Frequency, Resistance, RMS, Temperature	

124-0228		IDM8342 Bench Digital Multimeter	Bench	AC Current, AC Voltage, Capacitance, Continuity, DC Current, DC Voltage, Diode Test, Frequency, Resistance, Temperature	
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