

## FEATURES

- 10 A (continuous) current range
- Data hold/relative modes
- 1 MHz counter with full 9999 Count display
- Diode test and continuity sounder
- 4 nF to 40  $\mu$ F capacitance ranges
- Mains proof resistance ranges
- Full autoranging with manual override
- Auto power shutdown
- Digital display update rate 2 per second
- Bargraph display update rate 20 per second
- Fused 400 mA and 10A ranges
- Dust and water protected to IP64
- Water resistant via O-Ring sealed case
- Dual high energy fuse protection
- AC - Coupled AC conversion true RMS responding to the RMS sine wave input
- 3 years warranty

# RS PRO Digital Multimeters- IDM106N Handheld Digital Multimeter

RS Stock No.: 123-3236



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 IDM106N RMS Digital Multimeter

RS PRO IDM106N offers high specification performance with 4000 count display and 42 segment bar graph. These handheld devices can measure capacitance, voltage, electrical current, frequency, peak hold, temperature and resistance with diode and continuity check. This meter has an LCD display where the measurement readouts can be viewed.

## General Specifications

Multimeter Type	Handheld
Function Measured	AC Current, AC Voltage, Capacitance, Continuity, DC Current, DC Voltage, Diode Test, Frequency, Peak Hold, Resistance, Temperature
True RMS	Yes
Display Type	LCD
Bar graph	42 segments
Operating Temperature (Min to Max)	0 to +50°C
Storage Temperature (Min to Max)	-20°C to +60°C
Diode Test	Yes
Continuity Test	Yes
Auto power off	Yes, Approx 30 minutes
Optical isolated interface output	RS232

## Measurement

Type	Absolute Maximum Measurement	Resolution	Best Accuracy
DC Current	10A dc	10µA	±0.4% + 2 Digits
AC Current	10A ac	10µA	±1.5% + 5 Digits
Resistance	40MΩ	100mΩ	±0.4% + 2 Digits
DC Voltage	1000 V dc	100µV dc	±0.1% + 2 Digits
AC Voltage	1000V ac	0.1mV ac	±1.5% + 5 Digits
Capacitance	40mF	1pF	±2% + 8 Digits
Frequency	400 MHz		

## Electrical Specifications

Battery Type	IEC 6F22, JIS 006P, NEDA 1604, 9V
Battery life	300 h
Safety Category Voltage	600 V, 1000 V

## Mechanical Specifications

<b>Dimensions</b>	<b>100 x 55 x 212 (with Holster)mm</b>
<b>Width</b>	<b>55mm</b>
<b>Length</b>	<b>100mm</b>
<b>Height</b>	<b>212mm</b>
<b>Weight</b>	<b>620g</b>

## Protection Category

<b>Safety Category Level</b>	<b>CAT II, CAT III</b>
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## Approvals

<b>Compliance/Certifications</b>	<b>IEC / CSA</b>
<b>Declarations</b>	<b>RoHS Certificate of Compliance</b>

## Similar Products

<b>Stock No.</b>	<b>Brand</b>	<b>Product Name</b>	<b>Multimeter Type</b>	<b>Functions Measured</b>	<b>Digit Resolution</b>
124-2010	RS PRO	IDM505 Handheld Digital Multimeter With RSCAL calibration	Handheld	AC Current, AC Voltage, Capacitance, Continuity, DC Current, DC Voltage, Diode, Duty Cycle, Frequency, Resistance, Temperature	
161-1629	RS PRO	Handheld Digital Multimeter	Handheld	AC Current, AC Voltage, Capacitance, DC Current, DC Voltage, Frequency, Resistance	

[Physical Dimensions / Connection Diagram / Accessories Included](#)

