

FEATURES

- 3200 Count digital display
- 65 segment analogue bar graph
- Full Autoranging with manual override
- Continuity and Diode Test
- Auto Power Off
- Fast continuity beeper (0.2 msec)
- Data Hold
- Protective Holster with tilt stand
- 800-hour battery life
- Display hold function
- Conforms to IEC1010-1 600 V category III

RS PRO Digital Multimeters- IDM63N Handheld Digital Multimeter

RS Stock No.: 123-3240



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 IDM63N Pocket Digital Multimeter

RS PRO IDM63N high-performance digital multimeter measuring AC-DC voltage, electrical current, resistance, continuity and diode test. This meter has an LCD display where the measurement readouts can be viewed.

RS PRO range of handheld and bench digital multimeters are RS approved meaning that they are great value for money and high quality you can rely on.

General Specifications

Model Number (p)	IDM63N
Multimeter Type	Handheld
Functions Measured	AC Voltage, Continuity, DC Current, DC Voltage, Diode Test, Resistance
True RMS	NO
Display Type	LCD
Bar graph	65 segments
Operating Temperature (Min to Max)	0 to +50°C
Storage Temperature (Min to Max)	-20°C to 60°C, 0 to 80% R.H with battery removed from the meter.
Diode Test	Yes
Continuity Test	Yes
Auto power off	Yes, Approx. 10 minutes after last operation
Insulation	Protection Class II

Measurement

Type	Absolute Maximum Measurement	Resolution	Best Accuracy
DC Current	3mA dc	0.1µA	±1% + 2 Digits
Resistance	30MΩ	100mΩ	±1% + 4 Digits
DC Voltage	600V dc	0.1mV dc	±0.5% + 2 Digits
AC Voltage	600V ac	1mV ac	±1.5% + 5 Digits

Electrical Specifications

Battery Type	AAA 1.5 V, AM4, IEC LR03
Battery life	800 h
Safety Category Voltage	600V

Mechanical Specifications

Dimensions	80 x 36 x 165mm
Width	36mm
Length	80mm
Height	165mm
Weight	310g

Protection Category

Safety Category Level	CAT III
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Approvals

Compliance/Certifications	IEC
Declarations	RoHS Certificate of Compliance

Similar Products

Stock No.	Brand	Product Name	Multimeter Type	Functions Measured	Digit Resolution
123-3219	RS PRO	IDM201 Bench Digital Multimeter	Bench	AC Current, AC Voltage, Capacitance, DC Current, DC Voltage, Frequency, Resistance	
123-6610	RS PRO	RSDM3055 Bench Digital Multimeter	Bench	AC Current, AC Voltage, Capacitance, Continuity, DC Current, DC Voltage, Diode, Frequency, Period, Resistance, Temperature	

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

Specifications: (All at 23°C ±5°C, ≤80% R.H.)

AC Voltage

Range	Resolution	Accuracy	Over Voltage Protection
3.000V	1mV	±(1.5%+5dgt) 30Hz~300Hz	600V DC or 600Vrms
30.00V	10mV	±(1.5%+5dgt) 40Hz~500Hz	
300.0V	100mV		
600V	1V		

Input Impedance: 10MΩ// less than 100pF

Conversion Type: Average sensing RMS indicating

DC Voltage

Range	Resolution	Accuracy	Over Voltage Protection
300.0mV	100μV	±(0.5%+2dgt)	600V DC or 600Vrms
3.000V	1mV		
30.00V	10mV		
300.0V	100mV		
600V	1V		

Input Impedance: 10MΩ

DC Current

Range	Resolution	Accuracy	Burden Voltage	Overload Protection
300.0μA	0.1μA	±(1.0%+2dgt)	<4.5mV/μA@25°C	600V DC or 600Vrms
3000.0μA	1μA			

20A for 30 seconds

Resistance

Range	Resolution	Accuracy	Overload Protection
300Ω	0.1Ω	±(1% + 4dgt)	600V DC or 600Vrms
3KΩ	1Ω	±(0.8% + 2dgt)	
30KΩ	10Ω	±(0.8% + 2dgt)	
300KΩ	100Ω	±(0.8% + 2dgt)	
3MΩ	1KΩ	±(0.8% + 2dgt)	
30MΩ	10KΩ	±(2.0% + 5dgt)	

Open Circuit Voltage: 3.3V approx.

Diode & Continuity


Continuity Beeper : <20Ω, 2KHz tone buzzer

Test Current: 1.5mA max

Open Circuit Voltage: 3.3V max

Overload Protection: 600V DC/AC rms

General

Sampling Rate:	2 times/sec
Overload Indication:	“OL” or “-OL”
Low Battery Indication:	
Auto Power Off:	Approx 10 minutes after last operation
Operating Temperature:	0°C~30°C (≤80% R.H.), 30°C~40°C (≤75% R.H.), 40°C~50°C (≤45% R.H.)
Storage Temperature:	-20°C~60°C
Temperature Coefficient:	0.2×(spec. Acc'y)/°C <18°C, >28°C
Safety:	IEC 61010-1: CAT.III 600V, CAT.II 1000V
Power Requirement:	Two 1.5V Alkaline type AAA batteries
Battery Life:	800hours(Alkaline)
Size:	80mm(W)×165mm(L)×36mm(H), with holster
Weight:	310g(Including battery)
Accessories:	Battery (installed), Test Leads and User Manual