

FEATURES

- 3200 Count LCD display
- 65 segment analogue bar graph
- Display hold function
- Continuity beeper (0.2 ms)
- Measures AC-DC voltage and current, resistance, continuity and diode tests
- Autoranging voltage, ohms and continuity with manual override
- Beep guard audible warning when current measurement and current ranges are not selected
- Versatile rubber holster with probe storage allowing single-handed use of the instrument
- Auto power off conserves battery life

RS PRO Digital Multimeters-IDM67 Handheld Digital Multimeter

RS Stock No.: 123-3241



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 IDM67 Pocket Digital Multimeter

A compact multimeter that can measure voltage, electrical current, and resistance with diode and continuity check. This meter has an improved display resolution designed to meet IEC1010 -1 safety standard) category II 600 V with 10 A measuring capability.

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) | IDM67 |
| Multimeter Type | Handheld |
| Functions Measured | AC Current, 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 | 10A dc | 0.1µA | ±1.2% + 2 Digits |
| AC Current | 10A ac | 0.1µA | ±1.7% + 4 Digits |
| Resistance | 30MΩ | 100mΩ | ±1.2% + 4 Digits |
| DC Voltage | 600V dc | 0.1mV dc | ±0.7% + 2 Digits |
| AC Voltage | 600V ac | 1mV ac | ±1.7% + 5 Digits |

Electrical Specifications

| | |
|--------------------------------|---------------------------------|
| Battery Type | AAA 1.5 V, AM4, IEC LR03 |
| Battery life | 900 h |
| Safety Category Voltage | 600V |

Mechanical Specifications

| | |
|-------------------|------------------------|
| Dimensions | 85 x 40 x 165mm |
| Width | 40mm |
| Length | 85mm |
| Height | 165mm |
| Weight | 360g |

Protection Category

| | |
|------------------------------|----------------|
| Safety Category Level | CAT III |
|------------------------------|----------------|

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.)

DC Voltage

| Range | Resolution | Accuracy | Over Voltage Protection |
|--------|------------|--------------|-------------------------|
| 300mV | 0.1mV | ±(0.7%+2dgt) | 600V DC or 600V rms |
| 3.000V | 1mV | | |
| 30.00V | 10mV | | |
| 300.0V | 100mV | | |
| 600V | 1V | | |

Input Impedance: 10MΩ

AC Voltage

| Range | Resolution | Accuracy | Over Voltage Protection |
|--------|------------|--------------|-------------------------|
| 3.000V | 1mV | ±(1.7%+5dgt) | 600V DC or 600V rms |
| 30.00V | 10mV | ±(1.7%+5dgt) | |
| 300.0V | 100mV | | |
| 600V | 1V | 40Hz~500Hz | |

Conversion Type: Average sensing RMS indicating

Input Impedance: 10MΩ// less than 100pF

DC Current

| Range | Resolution | Accuracy | Voltage Burden |
|-------|------------|--------------|----------------|
| 300μA | 0.1μA | ±(1.2%+2dgt) | 200mV max |
| 3mA | 1μA | | 2V max |
| 30mA | 10μA | | 200mV max |
| 300mA | 100μA | | 2V max |
| 10A | 10mA | ±(2.5%+5dgt) | 2V max |

Overload Protection: 0.5A/250V fast for μA/mA input

10A/250V fast for A input

AC Current

| Range | Resolution | Accuracy | Voltage Burden |
|-------|------------|--------------|----------------|
| 300μA | 0.1μA | ±(1.7%+4dgt) | 200mV max |
| 3mA | 1μA | | 2V max |
| 30mA | 10μA | | 200mV max |
| 300mA | 100μA | ±(2.0%+4dgt) | 2V max |
| 10A | 10mA | ±(2.0%+7dgt) | 2V max |

Frequency Response: 40Hz~500Hz

Overload Protection: 0.5A/250V fast for μA/mA input

10A/250V fast for A input

Conversion Type: Average sensing RMS indicating

Resistance

| Range | Resolution | Accuracy |
|---------|------------|--------------|
| 400.0Ω | 100mΩ | ±(1.2%+4dgt) |
| 4.000KΩ | 1Ω | ±(0.9%+2dgt) |
| 40.00KΩ | 10Ω | |
| 400.0KΩ | 100Ω | ±(1.2%+3dgt) |
| 4.000MΩ | 1KΩ | |
| 40.00MΩ | 10KΩ | ±(2.5%+5dgt) |

Overload Protection: 600V DC or 600V AC rms

Open Circuit Voltage: 3.3V approx.


Diode & Continuity

Continuity Beeper : <50Ω, 2KHz tone buzzer

Open Circuit Voltage : 3.3V max

Overload Protection: 600V DC or 600V 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: | 0.15×(spec. Acc'y)/°C <18°C, >28°C |
| Safety: | IEC 61010-1: CAT.II 600V, CAT.III 300V |
| Power Requirement: | Two 1.5V Alkaline type AAA batteries |
| Battery Life: | 900hours(Alkaline) |
| Size: | 85mm(W)×165mm(L)×40mm(H), with holster |
| Weight: | 360g(Including battery) |
| Accessories: | Battery (installed), Holster, Test Leads and User Manual |