

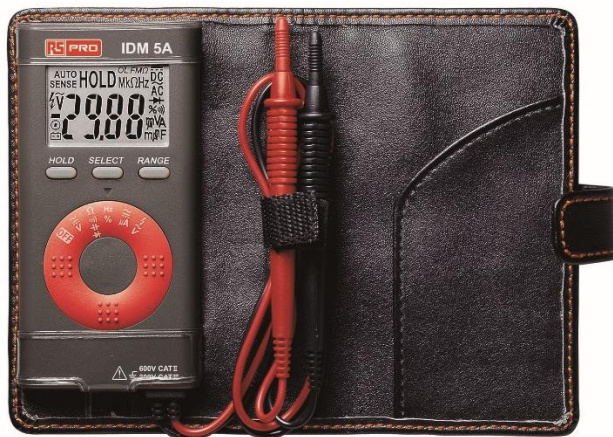


ENGLISH

Datasheet

Stock No. 123-3251

RS PRO IDM 5A Digital Multimeter



Feature:

- 4000 count large scale digital display
- Auto ranging and manual selection
- Auto AC/DC Voltage selection
- Resistance, Continuity, Capacitance and Diode function
- Auto AC/DC 400.0 μ A and 400 μ A ranges
- 0.6% basic DCV accuracy
- Frequency counter
- Smart Data hold
- VoltSense™ function
- Mains Voltage Indicator
- Auto power off
- Shock proof from 4 feet drops
- Compact design on small size
- Integral safety test leads
- Deluxe carrying wallet included
- CAT.III 300V/CAT.II 600V Safety standard

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

DC/AC Voltage

| Range | Input Impedance | Overload Protection | Accuracy |
|-----------------|-----------------|---------------------|----------------------------|
| 400.0mV~600V DC | 10MΩ | 600V | ±(0.6%+2dgt) |
| 400.0mV~600V AC | 10MΩ// < 100pF | 600V rms | ±(0.9%+5dgt) 50Hz~500Hz |

Resolution: 0.1mV

Conversion Type: Average sensing RMS indicating

DC/AC Current

| Range | DC Accuracy | AC Accuracy |
|-----------------|--------------|----------------------------|
| 400.0μA, 4000μA | ±(0.9%+5dgt) | ±(0.9%+5dgt) 50Hz~500Hz |

Resolution: 0.1μA

Input Protection: 600V or 600V rms

Conversion Type: Average sensing RMS indicating

Resistance

| Range | Accuracy |
|--------------|----------------|
| 400Ω~40.00MΩ | ±(0.9% + 2dgt) |

Resolution: 0.1Ω

Overload Protection: 600V rms

Diode & Continuity

Continuity Beeper : <30Ω, 2KHz tone buzzer

Open circuit Voltage : 1.5V

Frequency

| Range | Accuracy | Resolution |
|-----------|----------------|------------|
| 40Hz~4MHz | ±(0.3% + 5dgt) | 1Hz |

Overload Protection: 600V rms

Duty Cycle

| Range | Accuracy | Resolution |
|------------|----------------|------------|
| 0.1%~99.9% | ±(0.5% + 3dgt) | 0.1% |


Overload Protection: 600V rms

Capacitance

| Range | Accuracy | Resolution |
|----------|----------------|------------|
| 40nF~4mF | ±(2.9% + 5dgt) | 0.01nF |

Overload Protection: 600V rms

General

| | |
|---------------------------------|---|
| Sampling Rate: | 3 times/sec |
| Overload Indication: | "OL" or "OL" |
| Low Battery Indication: |  |
| Auto Power Off: | Approx 20 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 300V, CAT.II 600V |
| Power Requirement: | LR44 Button size 1.5V x2 battery |
| Battery Life: | 100hours |
| Size: | 56mm(W)×112mm(L)×12mm(H) |
| Weight: | 100g |
| Accessories: | Battery (installed), Integral Test Leads, Manual and Deluxe Carrying Wallet |