



ENGLISH

Datasheet  
Stock No. 123-3239  
**RS PRO IDM 71 Digital Multimeter**



**Feature:**

- 6000 count digital display
- Large scale display
- 0.5% basic DCV accuracy
- Data hold
- Min/Max function
- Frequency counter
- Capacitance measurement
- Auto power off
- Shock proof from 4 feet drops
- CAT.IV 600V/CAT.III 1000V Safety standard

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

### DC/AC Voltage

Range	Input Impedance	Accuracy
600.0mV DC~1000V DC	10MΩ	±(0.5%+2dgt)
600.0mV AC~750V AC	10MΩ// < 100pF	±(0.9%+5dgt) 50Hz~500Hz

**Resolution:** 0.1mV

**Overload Protection:** DC 1000V or AC 750V rms

**Conversion Type:** Average sensing RMS indicating

### DC/AC Current

Range	DC Accuracy	Voltage Burden
600.0μA	±(1%+2dgt)	<4mV /μA
6000μA		

**Overload Protection:** 10A/600V for μA input

600V rms for A input

**Conversion Type:** Average sensing RMS indicating

### Resistance

Range	Accuracy
600.0Ω	±(0.7%+2dgt)
6.000KΩ	
60.00KΩ	
600.0KΩ	
6.000MΩ	±(1%+2dgt)
60.00MΩ	±(1.5%+2dgt)

**Resolution:** 0.1Ω

**Overload Protection:** 600V rms

**Open Circuit Voltage:** -1.3V approx.

## Diode & Continuity

**Continuity Beeper:** <100Ω, 2KHz tone buzzer

**Open Circuit Voltage:** 3V max

**Test Current:** 1.5mA max

## Frequency

Range	Sensitivity	Accuracy
6KHz	100mV rms	±(0.1%+1 dgt)
60KHz		
600KHz		
6MHz	250mV rms	
60MHz	1V rms	

**Resolution:** 1Hz


**Overload Protection:** 600V rms

## Capacitance

Range	Accuracy
6.000nF	±(1.9% + 8dgt)
60.00nF	
600.0nF	
6.000μF	
60.00μF	
600.0μF	
6.0mF	

**Overload Protection:** 600V rms

## General

<b>Sampling Rate:</b>	1.5 times/sec
<b>Overload Indication:</b>	"OL" or "-OL"
<b>Low Battery Indication:</b>	
<b>Auto Power Off:</b>	Approx. 10 minutes after last operation
<b>Operating Temperature:</b>	0°C~30°C(≤80% R.H.), 30°C~40°C(≤75% R.H.), 40°C~50°C(≤45% R.H.)
<b>Storage Temperature:</b>	-20°C~60°C
<b>Temperature Coefficient:</b>	0.15×(spec. Acc'y)/°C <18°C, >28°C
<b>Safety:</b>	IEC 61010-1: CAT.IV 600V/CAT.III 1000V
<b>Power Requirement:</b>	Two 1.5V Alkaline type AAA batteries
<b>Battery Life:</b>	300hours(Alkaline)
<b>Size:</b>	76mm(W)×158mm(L)×38mm(H), without holster 82mm(W)×164mm(L)×44mm(H), with holster
<b>Weight:</b>	400g with holster
<b>Accessories:</b>	Battery (installed), Test Leads, Protective Holster and User Manual