



ENGLISH

Datasheet

Stock No. 123-3252

RS PRO ICM 30R Digital Multimeter & Clamp Meter



Feature:

- True-RMS reading
- 4000 count digital display
- Autoranging
- Dual hall sensor
- Nickel-Steel alloy jaw mechanism
- AC/DC 300 Amps capability
- AC/DC 600 Volts capability
- 0.5% basic DCV accuracy
- 1.5% basic ACV accuracy
- 1.0% basic DCA/ACA accuracy
- 0.9% basic Ohms accuracy
- Continuity beeper
- 10mA resolution
- Auto-Zeroing key for DCA
- Data hold function
- MAX hold function
- Auto power off selectable
- 600V protection in every range
- Up to 22mm Dia. (350 MCM) conductor
- 4 feet drop proof
- Insulated input jacks
- Hand guard designed
- Deluxe carrying case
- CAT.III 300V/CAT.II 600V Safety standard

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

AC Voltage

Range	Resolution	Accuracy	Over Voltage Protection
400.0mV	100μV	±(2%+5dgt) 50Hz~60Hz	600V rms
4.000V	1mV	±(1.5%+5dgt) 40Hz~300Hz	
40.00V	10mV	±(1.5%+5dgt) 40Hz~500Hz	
400.0V	100mV		
600V	1V		

Input Impedance: ≥9MΩ// less than 100pF

Conversion Type: Average sensing True RMS indicating

The LCD displays 0 count when the reading ≤1mV

DC Voltage

Range	Resolution	Accuracy	Over Voltage Protection
400.0mV	100μV	±(0.5%+5dgt)	600V rms
4.000V	1mV	±(0.5%+2dgt)	
40.00V	10mV		
400.0V	100mV		
600V	1V		

Input Impedance: ≥9MΩ

AC Current

Range	Resolution	Accuracy	
		50Hz~60Hz	40Hz~1KHz
0A~4A	10mA	±(1%+5dgt)	±(2%+7dgt)
4A~40A	10mA	±(1%+3dgt)	±(2%+5dgt)
40A~200A	100mA		
200A~300A	100mA	±(3%+3dgt)	±(5%+5dgt)

Conversion Type: Average sensing True RMS indicating

Overload Protection: 400A rms

DC Current

Range	Resolution	Accuracy
0A~40A	10mA	±(1%+2dgt)
40A~200A	100mA	
200A~300A	100mA	±(2%+2dgt)

Overload Protection: 400A rms

Resistance

Range	Resolution	Accuracy
400.0Ω	100mΩ	±(1.2%+6dgt)
4.000KΩ	1Ω	±(0.9%+3dgt)
40.00KΩ	10Ω	
400.0KΩ	100Ω	±(1.2%+3dgt)
4.000MΩ	1KΩ	
40.00MΩ	10KΩ	±(2.5%+5dgt)

Overload Protection: 600V rms

Continuity


Continuity Tester: <50Ω approximate

Indicator: 2KHz tone buzzer

Position Error: ±1% of reading

Type of Sensing: Hall effect sensing for AC and DC

General

Sampling Rate:	2 times/sec
Overload Indication:	"OL" or "-OL"
Low Battery Indication:	
Auto Power Off:	Approx. 30 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
Shock Proof:	4 feet drops
Safety:	IEC 61010-1: CAT.III 300V, CAT.II 600V
Maximum Conduct Size:	22mm dia.
Maximum Jaw Opening:	25mm dia.
Power Requirement:	Two 1.5V Alkaline type AAA batteries
Battery Life:	100 hours(Alkaline)
Size:	66mm(W)×192mm(L)×27mm(H)
Weight:	205g
Accessories:	Battery (installed), Test Leads, Carrying Case and User Manual