

Data sheet

ICM 139R

Clamp Meter

FEATURE:

- 4000 count digital display
- Backlit, large scale display
- Analog bargraph
- True RMS reading on AC mode
- Nickel-Steel alloy jaw mechanism
- Excellent residual magnetism performance
- AC 1000 Amps capability
- DC 1000 Amps capability
- AC 750 Volts capability
- DC 1000 Volts capability
- 400 Ohms Resistance capability
- Continuity beeper
- Display hold
- Peak hold (10ms)
- DCA Zeroing key
- Min/Max function
- Frequency counter
- Auto power off
- Up to 51mm Dia. (2000 MCM) conductor
- 4 feet drop proof
- Hand guard & stream line designed
- Deluxe carrying case
- Convenient battery door
- CAT.IV 600V/CAT.III 1000V Safety standard

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

DC/AC Voltage

Range	Input Impedance	Overload Protection	Accuracy
0V~400V, 400V~1000V DC	≥1MΩ	1000V DC or AC Peak	±(0.7%+2dgt)
0V~400V, 400V~750V rms	1MΩ// < 100pF	750V rms	±(1%+5dgt) 50Hz~500Hz

Resolution: 100mV

Conversion Type: Average sensing True-RMS indicating

DC/AC Current

Range	DC Accuracy
	±(1%+3dgt)
400A~ 1000A	±(1.9%+7dgt)

Range	Frequency Response	AC Accuracy
0A~400A	50Hz~60Hz	±(1.5%+5dgt)
400A~1000A	50Hz~60Hz	±(1.9%+7dgt)
0A~400A	61Hz~400Hz	±(1.9%+5dgt)
400A~1000A	400Hz~1000Hz	±(2.5%+7dgt)

Resolution: 0.1A

Overload Protection: 1000A rms

Conversion Type: Average sensing True-RMS indicating

Resistance & Continuity

Range	Accuracy
400.0Ω	±(1%+3dgt)

Overload Protection: 600V rms

Open Circuit Voltage: 3V max

Resolution: 0.1Ω

Continuity Tester: <30Ω approximate

Indicator: 2KHz tone buzzer


Frequency

Range	Accuracy	Resolution
20Hz~400Hz	±(0.1%+2dgt)	1Hz

Sensitivity: 2A rms fpr ACA (A~)(>400Hz Unspecified)
3V rms to 110V rms for ACV(V~)

Overload Protection: 1000A rms

General

Sampling Rate:	1.5 times/sec
Overload Indication:	OL is displayed
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 1000V, CAT.IV 600V
Maximum Conduct Size:	51mm dia.
Maximum Jaw Opening:	53mm dia.
Maximum Busbar Size:	24×60mm
Power Requirement:	Single 9V battery (NEDA 1604 or IEC 6F22)
Battery Life:	100hours(Alkaline)
Size:	90mm(W)×275mm(L)×51mm(H)
Weight:	420g with holster
Accessories:	Battery (installed), Test Leads, Carrying Case and User Manual