

Data sheet

ICM 133R

Clamp Meter

FEATURE:

- 4000 count digital display
- Backlit, large scale display
- Analog bargraph 43 Segments
- True RMS reading on AC mode
- AC 1000 Amps capability
- AC 750 Volts capability
- DC 1000 Volts capability
- 400 Ohms Resistance capability
- Continuity beeper
- Display hold
- Peak hold (10ms)
- Min/Max function
- Frequency counter
- Auto power off
- Up to 51mm diameter (2000MCM) 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	$\geq 1\text{M}\Omega$	1000V DC or AC Peak	$\pm(0.7\%+2\text{dgt})$
0V~400V, 400V~750V AC	$1\text{M}\Omega// < 100\text{pF}$	750V rms	$\pm(1\%+5\text{dgt})$ 50Hz~500Hz

Resolution: 100mV

Conversion Type: Average sensing True-RMS indicating

AC Current

Range	Accuracy	
	50Hz~60Hz	61Hz~400Hz
0A~60A	$\pm(1.9\%+7\text{dgt})$	$\pm(2.5\%+7\text{dgt})$
60.1A~400A	$\pm(1.9\%+5\text{dgt})$	
400.1A~600A	$\pm(1.9\%+5\text{dgt})$	
400.1A~1000A	Unspecified	

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: 3.3V max

Resolution: 0.1Ω

Continuity Tester: <30Ω approx.

Indicator: 2KHz tone buzzer

Frequency

Range	Accuracy	Resolution
20Hz~400Hz	±(0.1%+2dgt) at 5V rms max	1Hz

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

Overload Protection: AC/DC 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 600V, CAT.II 1000V
Maximum Conduct Size:	51mm dia.
Maximum Jaw Opening:	53mm dia.
Power Requirement:	Single 9V battery (NEDA 1604 or IEC 6F22)
Battery Life:	200 hours(Alkaline)
Size:	90mm(W)×275mm(L)×51mm(H)
Weight:	420g with holster
Accessories:	Battery (installed), Test Leads, Carrying Case and User Manual