

Data sheet

ICM 36RII

Clamp Meter

FEATURE:

- 4000 count large scale LCD display
- True-RMS reading
- Autoranging
- Dual hall sensor
- AC/DC 600 Amps capability
- AC/DC 600 Volts capability
- 40M Ohms Resistance range
- Continuity beeper
- Display hold
- Maximum hold
- Auto-Zeroing key for DCA
- Auto power off selectable
- 600 Volts circuit protection
- Insulated input jacks
- Up to 35mm Dia. (750 MCM) conductor
- Up to 40x15mm bus bar
- 4 feet drop proof
- Hand guard designed
- Deluxe carrying case
- CAT.III 600V/CAT.II 1000V Safety standard

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

AC Voltage

Range	Resolution	Accuracy	Over Voltage Protection
400.0mV	100μV	Unspecified	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

DC Voltage

Range	Resolution	Accuracy	Over Voltage Protection
400.0mV	100μV	±(0.7%+2dgt)	600V rms
4.000V	1mV		
40.00V	10mV		
400.0V	100mV		

600V	1V		
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Input Impedance: $\geq 9\text{M}\Omega$

AC Current

Range	Resolution	Accuracy	
		50Hz~60Hz	61Hz~400Hz
0A~40A	0.1A	$\pm(1.9\%+7\text{dgt})$	$\pm(2.5\%+7\text{dgt})$
40A~400A	0.1A	$\pm(1.9\%+5\text{dgt})$	$\pm(2.5\%+5\text{dgt})$
400A~600A	1A	$\pm(1.9\%+10\text{dgt})$	$\pm(2.5\%+10\text{dgt})$

Overload Protection: 600A rms

Conversion Type: Average sensing True RMS indicating

DC Current

Range	Resolution	Accuracy 50Hz~60Hz
0A~40A	0.1A	$\pm(1.5\%+10\text{dgt})$
40A~400A	0.1A	$\pm(1.5\%+7\text{dgt})$
400A~600A	1A	$\pm(1.9\%+10\text{dgt})$

Overload Protection: 600A rms

Resistance

Range	Resolution	Accuracy
400.0 Ω	100m Ω	$\pm(1.2\%+6\text{dgt})$
4.000K Ω	1 Ω	$\pm(0.9\%+3\text{dgt})$
40.00K Ω	10 Ω	
400.0K Ω	100 Ω	$\pm(1.2\%+3\text{dgt})$
4.000M Ω	1K Ω	
40.00M Ω	10K Ω	$\pm(2.5\%+5\text{dgt})$

Overload Protection: 600V rms

Continuity

Continuity Tester: $<50\Omega$ approximate

Indicator: 2KHz tone buzzer

Position Error: $\pm 1\%$ rdg

Type of Sensing: Hall effect sensing for AV and DC

General

Sampling Rate:	2 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 ($\leq 80\%$ R.H.), 30°C~40°C ($\leq 75\%$ R.H.), 40°C~50°C ($\leq 45\%$ R.H.)
Storage Temperature:	-20°C~60°C
Temperature Coefficient:	0.2×(spec. Acc'y)/°C $<18^\circ\text{C}$, $>28^\circ\text{C}$
Shock Proof:	4 feet drops
Safety:	IEC 61010-1: CAT.III 600V, CAT.II 1000V
Maximum Conduct Size:	35mm dia.
Maximum Jaw Opening:	45mm dia.
Maximum Busbar Size:	40×15mm
Power Requirement:	Single 9V battery (NEDA 1604 or IEC 6F22)
Battery Life:	150hours(Alkaline)

Size:	82mm(W)×208mm(L)×41mm(H)
Weight:	360g
Accessories:	Battery (installed), Test Leads, Carrying Case and User Manual