

Data Sheet

ICM 2000N

AC/DC Clamp Meter

RS Stock No. 843-2534

FEATURES :

- Accurate DC/AC digital clamp meter for current
- DC 2500A, AC 2100A (True RMS)
- Auto-range for A, V, and Ω
- One touch zero for DCA adjustment
- Easy single rotary switch
- Continuity with buzzer
- Max/Min, Data Hold functions
- Large 3 3/4 digits LCD

SPECIFICATIONS :

DC Current:

Range	Resolution	Accuracy (of rdg)	Overload Protection
400A	0.1A	$\pm 1.5\% \pm 3\text{dpts}$	DC 3000A
0 – 2000A	1A	$\pm 1.5\% \pm 3\text{dpts}$	
2000 – 2500A	1A	$\pm 2.0\% \pm 3\text{dpts}$	

AC Current: (True RMS, Crest Factor < 4)

Range	Resolution	Accuracy (of rdg)		Overload Protection
		50/60 Hz	40 - 1KHz	
400A	0.1A	$\pm 1.5\% \pm 5\text{dpts}$	$\pm 2.0\% \pm 5\text{dpts}$	AC 3000A
0 – 1000A	1A	$\pm 2.0\% \pm 5\text{dpts}$	$\pm 2.5\% \pm 5\text{dpts}$	
1000 – 2100A	1A	$\pm 2.5\% \pm 5\text{dpts}$	$\pm 3.0\% \pm 5\text{dpts}$	

Current Analog Output:

Range	Output	Accuracy	Overload Protection
0 - 400A	1mV/A	$\pm 2.5\% \pm 0.5A$	600V AC
400 - 2100A	1mV/A	$\pm 2.5\% \pm 5A$	

Frequency: (Hz, Overload Protection 600VAC, Sensitivity selected by RANGE button)

Range	Resolution	Accuracy	Sensitivity
1Hz - 400KHz	0.001Hz - 100Hz	$\pm 0.5\% \pm 2\text{dpts}$	10V

DC Voltage: (Auto range & Manual, Overload Protection 800VAC for all ranges)

Range	Resolution	Accuracy (of rdg)	Input Impedance
400mV	0.1mV	$\pm 1.5\% \pm 3\text{dpts}$	10M Ω
4V	0.001V		5M Ω
40V	0.01V		5M Ω
400V	0.1V		5M Ω
600V	1V		5M Ω



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SPECIFICATIONS :

AC Voltage: (TRMS, Crest Factor<4, Auto range & Manual, Overload Protection 800VAC)

Range	Resolution	Accuracy (of rdg)		Input Impedance
		50/60 Hz	40 - 1KHz	
400mV	0.1mV	-----	-----	-----
4V	0.001V	±1.5%±5dgts	±2.0%±5dgts	5MΩ
40V	0.01V			
400V	0.1V			
600V	1V			

Resistance Ω: (Auto range & Manual, Open Circuit Voltage ≤ 0.5V)


Range	Resolution	Accuracy (of rdg)	Overload Protection
400Ω	0.1Ω	±1.5%±3dgts	600VAC
4KΩ	1Ω		
40KΩ	10Ω		
400KΩ	100Ω		
4MΩ	1KΩ		
40MΩ	10KΩ		

Resistance (Ω) and Continuity: (open voltage 0.4V)

Range	Resolution	Accuracy	Beeping	OL Protection
40-400Ω	0.1Ω	±1.0%rdg±2dgts	< 40.0Ω (approx.)	AC 600V

Diode Test:

Range	Resolution	Accuracy	Overload Protection
1.999V	0.001V	±2.5%±5dgts	600V AC

Conductor Size:	Cable φ55mm. (approx.), Bus Bar 65 x 24mm
Battery Type:	9V
Display:	3 3/4 LCD with 40 seg. bargraph
Range Selection:	Auto and manual
Sampling Time:	3 times/sec. (display); 30 times/sec. (bargraph)
Overload Indication:	OL
Low battery Indication:	
Power Consumption:	17mA (approx.)
Operating Environment:	4°C to 50°C, less than 85% relative
Storage Environment:	-20°C to 60°C, less than 75% relative
Dimension:	271 x 112 x 46mm
Weight:	647g (battery included)
Accessories:	Test leads, Carrying bag, Users manual, 9V battery



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