

FEATURES

- 2000 Counts large LCD display
- Open jaw technology - 16 mm dia. conductor size
- 200 A ac measurement capability
- 750 V ac / 1000 V dc measurement range
- Integral non-contact AC voltage detector with visual & audible indication
- 20 M Ω resistance range
- Continuity and Diode Test
- Display hold
- Auto-power off
- Conforms to EN61010-1 (safety rating) CAT IV 600 V, CAT III 1000 V

RS PRO Clamp Meter - ICMA5 Multifunction Clamp Meter

RS Stock No.: 1233232



RS Professionally Approved Products bring to you professional quality parts across all product categories. Our product range has been tested by engineers and provides a comparable quality to the leading brands without paying a premium price.

Product Description

RS PRO ICMA5 Open Jaw Clamp Meter

From the trusted RS PRO brand, the ICMA5 Slimline clamp meter is used to check voltage, resistance, continuity and current. The integral non-contact ac voltage detector enables fast identification of the presence of mains voltages. The open jaw current clamp enables safe, non-intrusive measurement of ac currents up to 200 A.

Battery-powered for maximum portability, this multifunction current clamp meter is ideal for on-the-go applications in almost any environment.

General Specifications

Model Number	ICMA1
Clamp Meter Type	Multifunction Clamp
Functions Measured	AC Current, AC Voltage, Continuity, DC Voltage, Diode Test, Resistance
Display Type	LCD
Number of Display Digits	2000 counts
Sampling Rate	1.5 times/sec
True RMS	Yes
Auto power OFF	Yes (20 min.)
Temperature coefficient	0.2 x (Specified accuracy) / °C, < 18°C, > 28°C
Applications	Used for measuring high levels of current in service and maintenance applications. It can also be used when installing electrical equipment.

Measurement

Parameter	Range	Accuracy	Resolution
Absolute Current (AC)	300A ac	±(1.5% rdg + 5dgts)	10mA
Absolute Current (DC)	300A dc	±(1.5% rdg + 5dgts)	10mA
Absolute Temperature	0°C to +50°C		

Electrical Specifications

Power Source	Battery
Battery Type	A76, LR44
Battery Life	20 h
Safety Category Level and Voltage	CAT III 600V

Mechanical Specifications

Jaw Capacity (Busbars)	25mm
Maximum Conductor Size	25 (Dia.)mm
Dimensions	60 x 31 x 147mm
Width	31mm
Length	60mm
Height	147mm
Weight	140g

Operation Environment Specifications

Altitude	2000m (6562 ft)
Relative Humidity	0° C ~ 30° C, ≅ 80%RH 30° C ~ 40° C, ≅ 75%RH 40° C ~ 50° C, ≅ 45%RH
Operating Temperature Range	0° C ~ 30° C, ≅ 80%RH 30° C ~ 40° C, ≅ 75%RH 40° C ~ 50° C, ≅ 45%RH
Storage Temperature Range	--20 to +60°C, 0 to 80% RH (no batteries).

Approvals

Compliance/Certifications	IEC 61010-1
Declarations	RoHS Certificate of Compliance

Accessories Includes

Item Name	Qty
Button cells (installed)	1
User Manual	1
Carrying Pouch	1

Similar Products

Stock No.	RS#1233228	RS#1233230	RS#1233252	RS#1233231
Model Number	ICM134	ICM20	ICM30R	ICM33II
Clamp Meter Type	Multifunction Clamp	Current Clamp	Multifunction Clamp	Multifunction Clamp
Functions Measured	AC Current, AC Voltage, Capacitance, Continuity, DC Current, DC Voltage, Diode Test, Resistance, Temperature	AC Current, Continuity, Diode Test		
Display Type	LCD	LCD	LCD	LCD
Sampling Rate	1.5 times/sec	2.5 times/sec	2.5 times/sec	4 times/sec
Absolute Current (AC)	600A ac	400A ac	300A ac	600A ac
Absolute Current (DC)	4mA dc		300A dc	
Absolute Voltage (AC)	750V ac		600V ac	600V ac
Absolute Voltage (DC)	1000V dc		600V dc	
Temperature coefficient	0.2×(spec. Acc'y)/°C 28°C	0° C ~ 30° C (≅ 80% RH) 30° C ~ 40° C (≅ 75% RH) 40° C ~ 50° C (≅ 45%RH)	0.2×(spec. Acc'y)/°C <18°C, >28°C	0° C ~30° C (≅ 80% R.H.), 30° C ~40° C (≅ 75% R.H.), 40° C ~50° C (≅ 45% R.H.)

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

DC/AC Voltage

Range	Overload Protection	Accuracy
200V	1000V DC	±(1.5%+5dgt)
1000V	AC 750V rms	50Hz~500Hz

Resolution: 0.1V

Input Impedance: 2MΩ// < 100pF

Conversion Type: Average sensing RMS indicating

AC Current

Range	Accuracy	Resolution
0A~200A	±(3%+3dgt) 50Hz~60Hz	0.1A

Conversion Type: Average sensing RMS indicating

Resistance

Resolution: 0.1Ω

Range	Accuracy
200.0Ω	±(1%+5dgt)
2.000KΩ	±(1%+2dgt)
20.00KΩ	
200.0KΩ	
2.000MΩ	
20.00MΩ	±(1.9%+5dgt)

Overload Protection: 600V rms

Open Circuit Voltage: -1.3V approx.


Diode & Continuity

Continuity Beeper : <50Ω, 2KHz tone buzzer

Open Circuit Voltage : 3V max

Test Current: 1.5mA max

General

Sampling Rate:	1.5 times/sec
Overload Indication:	"OL" is displayed
Low Battery Indication:	
Auto Power Off:	Approx. 10 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
Safety:	IEC 61010-1: CAT.IV 600V, CAT.III 1000V
Maximum Conduct Size	16mm dia.
Power Requirement:	Two 1.5V Alkaline type AAA batteries
Battery Life:	250 hours(Alkaline)
Size:	54mm(W)×193mm(L)×31mm(H)
Weight:	280g
Accessories:	Battery (installed), Test Leads and User Manual