

FEATURES

- AC/DC power factor measurement
- AC/DC voltage measurement
- AC/DC current measurement
- 3 phase AC/DC balanced & unbalanced
- Apparent power & reactive power
- Phase angle
- Frequency measurement
- 10 000 count 4-digit dual LCD display
- Conductor size, cable 55 mm (approximately) and busbar 65 x 24 mm
- Dimensions 271 x 112 x 46 mm
- Weight 647 g (battery included)
- Dimensions 271 x 112 x 46 mm
- Powered by 9 V alkaline PP3 battery (supplied)
- Weight 647 g (battery included)

RS PRO Clamp Meter - IPM6600 Power Clamp Meter

RS Stock No.: 123-2208



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 IPM 6600 Power Clamp meter, 1200 kW

From the trusted RS PRO brand, this IPM 6600 is a great value, three-phase power clamp featuring AC+DC true power and True RMS AC voltage and current. Features include DCA/DCW Auto Zero when power clamp powering is ON, and AC/DC Auto Detection, Auto range.

General Specifications

Product Range	Clamp Meter
Model Number	IPM6600
Clamp Meter Type	Power Clamp
Functions Measured	AC Current, AC Voltage, DC Current, DC Voltage, Frequency, Power
Display Type	LCD
Number of Display Digits	1000010 000 count 4-digit dual
Overload Protection	Yes
True RMS	Yes
Auto Range Function	Yes

Measurement

Parameter	Range	Accuracy	Resolution
Absolute Current (AC)	2kA ac	$\pm(1.5\% \text{ rdg} + 5\text{dgts})$	100mA
Absolute Voltage (AC)	600V ac	$\pm(1.5\% \text{ rdg} + 5\text{dgts})$	100mV
Absolute Voltage (DC)	600V dc	$\pm(1.5\% \text{ rdg} + 5\text{dgts})$	100mV
Frequency	10 – 400 Hz	0.5% \pm 2 digits	

Electrical Specifications

Power Source	Battery
Battery Type	9V
Safety Category Level and Voltage	CAT III 600V

Mechanical Specifications

Jaw Capacity (Busbars)	40mm
Maximum Conductor Size	55mm
Dimensions	112 x 46 x 271mm
Width	46mm
Length	112mm
Height	271mm
Weight	647g

Operation Environment Specifications

Operating Temperature Range	4°C to 50°C , less than 85% relative
Storage Temperature Range	-20°C to 60°C, less than 75% relative

Approvals

Declarations	RoHS Certificate of Compliance
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Accessories Includes

Item Name	Qty
Case	1
battery	1
user manual	1

Similar Products

Stock No.	RS# 123-1984	RS# 123-3222	RS#123-3229	RS# 123-3233
Model Number	RS330	ICM136R	ICM135R	ICMA7-4
Clamp Meter Type	AC/DC Clamp Meter	Multifunction Clamp	Multifunction Clamp	Multifunction Clamp
Clamping Diameter	Opening 0.9" (23mm) approx			
Functions Measured	AC Current, AC Voltage, Continuity, DC Voltage, Diode Test, Resistance	AC Current, AC Voltage, Continuity, DC Current, DC Voltage, Diode Test, Frequency, Resistance	AC Current, AC Voltage, Continuity, DC Voltage, Diode Test, Frequency, Resistance	AC Current, AC Voltage, Continuity, DC Voltage, Diode Test, Resistance
Display Type	LCD	LCD	LCD	
Sampling Rate		1.5 times/sec	1.5 times/sec	2.5 times/sec
Absolute Current (AC)	400A ac	600A ac	600A ac	200A ac
Absolute Current (DC)	600V dc	600A dc		
Absolute Voltage (AC)	600V ac	600V ac	600V ac	600V ac
Absolute Voltage (DC)	600V dc	600V dc	600V dc	600V dc
Continuity Threshold	Threshold <120Ω; Test current < 1mA			
Diode Test	Test current of 0.3mA typical; Open circuit voltage 1.5V DC typical.	Yes	Yes	Yes
Frequency Range			20Hz~400Hz	
Temperature coefficient			0.2×(spec. Acc'y)/°C <18°C, >28°C	0.2 x (Specified accuracy) / °C, < 18°C, > 28°C

SPECIFICATIONS :**AC+DC True Power:** (PF 0.2 - 1.0, 3 ϕ 3W, 3 ϕ 4W, 1 ϕ 2W, and 1 ϕ 3W)

Range	Resolution	Accuracy (of rdg)	Overload Protection
0 - 99.99KW	0.01KW	$\pm 2.0\% \pm 0.05KW$	AC 600V, DC 800V, ACA/DCA 2000A
100 - 999.9KW	0.1KW	$\pm 2.0\% \pm 0.5KW$	
1000-1200KW	1KW	$\pm 2.0\% \pm 5KW$	

KW Auto ranging Map: (PF 0.2 - 1.0, 3 ϕ 3W, 3 ϕ 4W, 1 ϕ 2W, and 1 ϕ 3W)

	0V – 200V	200V - 600VAC, 200V - 800VDC
0A - 200A	0.00 - 40.00KW	0.00 - 99.99KW, 100.0 - 160.0KW
200A - 2000A	0.0 - 400.0KW	0.0 - 999.9KW, 1000 - 1600KW

AC+DC True Power: (Power Factor 0.2 - 1.0, 3 ϕ Balanced Power)

Range	Resolution	Accuracy (of rdg)	Overload Protection
0 - 99.99KW	0.01KW	$\pm 2.0\% \pm 0.5KW$	AC 600V, DC 800V, ACA/DCA 2000A
100 - 999.9KW	0.1KW	$\pm 2.0\% \pm 0.5KW$	
1000-1200KW	1KW	$\pm 2.0\% \pm 5KW$	

POWER FACTOR (PF)

$$PF = \frac{KW}{KVA}$$

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

Range	Resolution	Accuracy (of rdg)		Input Impedance
		DC, 50/60 Hz	40 - 400Hz	
0 – 200V	0.1V	$\pm 1.5\% \pm 5dgts$	$\pm 2.0\% \pm 5dgts$	10M Ω
200 – 500V	0.1V	$\pm 1.5\% \pm 5dgts$	$\pm 2.0\% \pm 5dgts$	10M Ω
500 – 600V	1V	$\pm 1.5\% \pm 5dgts$	$\pm 2.0\% \pm 5dgts$	10M Ω

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

Range	Resolution	Accuracy (of rdg)		Overload Protection
		DC, 50/60 Hz	40 - 400Hz	
0 – 200A	0.1A	$\pm 1.5\% \pm 5dgts$	$\pm 2.0\% \pm 5dgts$	AC 3000A
200 – 500A	0.1A	$\pm 2.0\% \pm 5dgts$	$\pm 2.5\% \pm 5dgts$	AC 3000A
500 – 2000A	1A	$\pm 2.5\% \pm 5dgts$	$\pm 3.0\% \pm 5dgts$	AC 3000A


Phase Angle: (50/60 Hz, must zero current reading before measurement)

Range	Accuracy	Sensitivity	Remark
-90° to +90°	± 2.0°	V > 100V, A > 10A	Zero Crossing Detection

If a current signal is not detected, the phase angle will be left blank in LCD.

Frequency: (if < 10 Hz, Hz = 0)

Range	Accuracy	Sensitivity
50/60 Hz	±2digits	V: > 1V, A: > 5A
10 – 400 Hz	0.5% ± 2 digits	V: > 1V, A: > 5A

Conductor Size:	Cable ϕ 55mm. (approx.), Bus Bar 65 x 24mm
Battery Type:	9V
Display:	2 X 4 Digits Dual Display LCD
Range Selection:	Auto
Sampling Time:	0.5 sec. (V and A), 1.6 sec. (W)
Overload Indication:	OL
Low battery Indication:	
Power Consumption:	25mA (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:	Carrying bag x 1, Users manual x 1, Battery 9V x 1