

3Φ Power Clamp

MODEL PROVA 6600

- 3φ4W, 3φ3W, 3φ Balanced, 1φ2W, and 1φ3W Power Measurement.
- AC+DC true power, and True RMS AC Voltage and Current
- AC+DC 2000A, AC 600V, DC 800V
- AC+DC 1200KW(1φ), AC+DC 2000KW (3φ)
- Dual Display V+Hz, A+Hz, W+PF, KVA+KVAR, V+A
- Phase Angle Measurement
- 3φ RST(L1L2L3) Sequence Indication.
- Memory of 4 records.
- DCA/DCW Auto Zero when power clamp powering on.
- AC/DC Auto Detection.
- Auto range.



PROVA 6600

Specifications for PROVA 6600

AC+DC True Power

(PF 0.2-1.0, 3φ3W, 3φ4W, 1φ2W, and 1φ3W)

Range	Resolution	Accuracy(of rdg)	Input Range
0-99.9KW	0.1KW	+/- 2.0% +/- 0.05KW	AC 600V, DC 800V, ACA/DCA 2000A
100-999.9KW	0.1KW	+/- 2.0% +/- 0.5KW	AC 600V, DC 800V, ACA/DCA 2000A
1000-1200KW	1KW	+/- 2.0% +/- 5KW	AC 600V, DC 800V, ACA/DCA 2000A

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

Range	Resolution	Accuracy(or rdg)	Input Range
0-99.99KW	0.01KW	+/- 2.0% +/- 0.5KW	AC 600V, DC 800V, ACA/DCA 2000A
100-999.9KW	0.1KW	+/- 2.0% +/- 0.5KW	AC 600V, DC 800V, ACA/DCA 2000A
1000-1200KW	1KW	+/- 2.0% +/- 5KW	AC 600V, DC 800V, ACA/DCA 2000A

POWER FACTOR (PF)

PF=KW/KVA AC+DC Voltage (True RMS, Crest Factor<4, Autorange,

Overload Protection 800VAC for all ranges)

Range	Resolution	Accuracy(of reading)		Input Impedance
		DC, 50/60Hz	40-400Hz	
0-200A	0.1V	+/- 1.5% +/- 5 dgts	+/- 2.0% +/- 5 dgts	10MΩ
200-500A	0.1V	+/- 1.5% +/- 5 dgts	+/- 2.0% +/- 5 dgts	10MΩ
500-600VAC 500-800VDC	1V	+/- 1.5% +/- 5 dgts	+/- 2.0% +/- 5 dgts	10MΩ

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

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

AC+DC KVA (Apparent Power)

$$(KVA)=V \times A / 1000$$

AC+DC KVAR(Reactive Power)

$$(KVAR)=\sqrt{(KVA)^2 - (KW)^2}$$


Phase Angle (must zero current reading before measurement)

Range	Accuracy	Sensitivity	Remark
50/60Hz	+/- 2.0°	V>100V, A>10A	Zero Crossing Detection

Frequency (if<10 Hz, Hz=0)

Range	Accuracy	Sensitivity
50/60Hz	+/- 2dgts	V: >1V, A: >5A
10-400Hz	+/- 0.5% +/- 2dgts	V: >1A, A: >5A

General Specification:

Conductor Size	Cable ϕ 55mm. (approx.) Bus Bar 65mm(D)x24mm(W)
Battery Type	9V
Display	2x4 Digits Dual Display LCD
Range Selection	Auto
Overload Indication	OL
Power Consumption	28mA (approx.)
Low battery Indication	
Sampling Time	0.5 sec. (V and A) 1.6 sec.(W)
Operating Temperature	4° to 50°C
Operating Humidity	Less than 85% relative
Altitude	up to 2000M
Storage Temperature	-20°C to 60°
Storage Humidity	Less than 75% relative
Dimensions	271mm(L)x112mm(W)x46mm(H) 10.7"(L)x4.4"(W)x1.8"(H)
Weight	647g/22.8 oz (Battery included)