

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, φ+Hz, 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.



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 φ55mm. (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 B

Sampling Time 0.5 sec. (V and A)

1.6 sec.(W)

Operating Temperature 4o to 50oC

Operating Humidity Less than 85% relative

Altitude up to 2000M

Storage Temperature -20oC to 60o

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)

Distribuye



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