

# 3F Power Clamp

## MODEL PROVA 6600

- 3 $\phi$ 4W, 3 $\phi$ 3W, 3 $\phi$  Balanced, 1 $\phi$ 2W, and 1 $\phi$ 3W Power Measurement.
- AC+DC true power, and True RMS AC Voltage and Current
- AC+DC 2000A, AC 600V, DC 800V
- AC+DC 1200KW(1 $\phi$ ), AC+DC 2000KW (3 $\phi$ )
- Dual Display V+Hz, A+Hz, W+PF, KVA+KVAR, V+A,  $\phi$ +Hz
- Phase Angle Measurement
- 3 $\phi$  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, 3 $\phi$  3W, 3 $\phi$  4W, 1 $\phi$  2W, and 1 $\phi$  3W)

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, 3 $\phi$ 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)

$$(KVA)=VxA/1000$$

AC+DC KVAR(Reactive Power)

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

**Phase Angle (must zero current reading before measurement)**

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

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