

PROVA 6605

Power & Harmonics Tester

Electrical Specifications: (23°C±5°C)

AC Watt

Range	Resolution	Accuracy of Readings	
		> 20 V and > 20A	< 20V or < 20A
10.0 – 999.9 W	0.1W	±2% ± 20dgts	±2% ± 40dgts
1.000 – 9.999 KW	0.001 KW		
10.00 – 99.99 KW	0.01 KW		
100.0 – 999.9 KW	0.1 KW		
1000 – 9999 KW	1 KW		

AC Apparent Power

Range	Resolution	Accuracy of Readings	
		> 20 V & > 20A	< 20V or < 20A
10.0 – 999.9 VA	0.1VA	±2% ± 20dgts	±2% ± 40dgts
1.000 – 9.999 KVA	0.001 KVA		
10.00 – 99.99 KVA	0.01 KVA		
100.0 – 999.9 KVA	0.1 KVA		
1000 – 9999 KVA	1 KVA		

AC Reactive Power

Range	Resolution	Accuracy of Readings	
		> 20 V & > 20A	< 20V or < 20A
10.0 – 999.9 VAR	0.1VAR	±2% ± 30dgts	±3% ± 40dgts
1.000 – 9.999 KVAR	0.001 KVAR		
10.00 – 99.99 KVAR	0.01 KVAR		
100.0 – 999.9 KVAR	0.1 KVAR		
1000 – 9999 KVAR	1 KVAR		

AC Current (50/60Hz, Auto Range, TRMS, C,F,<4, CT=1, OL Protection AC 2000A)

Range	Resolution	Accuracy of Readings
10.0A – 1500.0A	0.1 A	±2.0% ± 5dgts

AC Voltage (50/60Hz, Auto Range, TRMS, C.F.<4, Input Impedance 10 MΩ, Overload Protection AC 800V)

Range	Resolution	Accuracy of Readings
10.0V – 600.0V	0.1 V	±0.5% ± 5dgts

Harmonics of AC Voltage in Percentage

Range	Resolution	Accuracy
1 – 20 th	0.1%	±2%
21 – 49 th		4% of reading ±2.0%
50 – 99 th		6% of reading ±2.0%

Harmonics of AC Voltage in Magnitude

Range	Resolution	Accuracy
1 – 20 th	0.1%	2% of reading ±0.5V
21 – 49 th		4% of reading ±0.5V
50 – 99 th		6% of reading ±0.5V

Harmonics of AC Current in Percentage

Range	Resolution	Accuracy
1 – 20 th	0.1%	±2%
21 – 49 th		4% of reading ±2.0%
50 – 99 th		6% of reading ±2.0%

Harmonics of AC Current in Magnitude

Range	Resolution	Accuracy
1 – 20 th	0.1%	±2% of reading ±0.4A
21 – 49 th		±4% of reading ±0.4A
50 – 99 th		±6% of reading ±0.4A

Power Factor (PF)

Range	Resolution	Accuracy	
		> 20V and > 20A	< 20V or < 20A
0.000 – 1.000	0.001	± 0.04	±0.1

Phase Angle (Φ , > 20V and > 20A)

Range	Resolution	Accuracy
-180° to 180°	0.1°	± 2°
0° to 360°		

Total Harmonic Distortion

Range	Resolution	Accuracy
0.0 – 20%	0.1%	± 2%
20.1 – 100%		± 6% of reading ± 1%
100.1 – 999.9 %		± 10% of reading ± 1%

Peak Value of AC Voltage (peak value > 5V) or AC Current (peak value > 20A)

Range	Sampling Time	Accuracy of Reading
50 Hz	39 μ s	± 5% ± 30 digits
60 Hz	33 μ s	

Resistance (Ω) and Continuity (Beep if less than 50 Ω)

Range	Resolution	Accuracy
7.0 – 999.9 Ω	0.1 Ω	$\pm 5\Omega$
1000 – 1200 Ω	1 Ω	


Crest Factor (C.F.) of ACV (peak value > 5V) or ACA (peak value > 20A)

Range	Resolution	Accuracy of Readings
1.00 – 99.99	0.01	$\pm 5\% \pm 30$ digits

Frequency of ACV (RMS value > 10V) or ACA (RMS value > 30A)

Range	Resolution	Accuracy
45 – 65	0.1	$\pm 0.2\text{Hz}$

General Specifications:

Conductor Size:	55mm (approx.), 65 x 24mm (bus bar)
Battery Type:	two 1.5V SUM-3
Display:	4+4 digits LCD
Range Selection:	Auto
Overload Indication:	OL
Power Consumption:	10 mA(approx.)
Low battery Indication:	
Auto-Power-Off:	30 minutes after power-on
Update Time:	2 times/second (display)
No. Of Samples per Period	512 (voltage or current), 256 (power)
Operating Temperature:	-10°C to 50°C
Operating Humidity:	less than 85% relative
Altitude:	up to 2000M
Storage Temperature:	-20°C to 60°C
Storage Humidity:	less than 75% relative
Dimension:	271mm (L) x 112mm (W) x 46mm (H) 10.7" (L) x 4.4" (W) x 1.8" (H)
Weight:	640g / 22.6 oz (battery included)
Accessories:	test leads x 1 pair, Carrying bag x 1 Users manual x 1, Batteries 1.5V x 2
Option:	Alligator clips

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