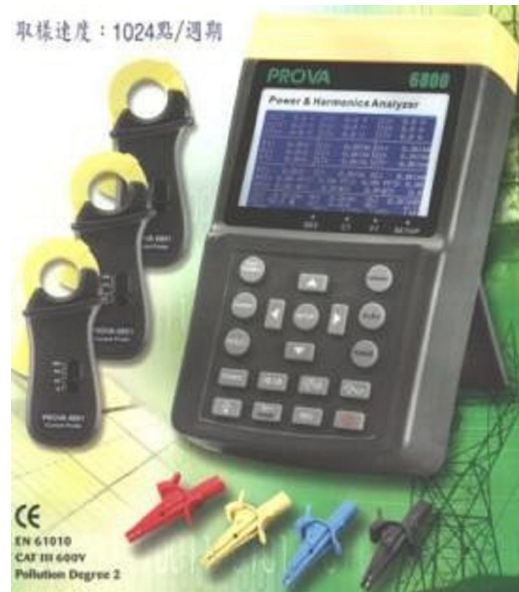


PROVA

Power and Harmonics Analyzer

MODEL PROVA 6800/6801/6802

- Analysis for 3P4W , 3P3W , 1P2W , 1P3W
- True RMS value (V123 and I123)
- Active Power (W , KW ,MW , GW)
- Apparent and Reactive Power (KVA , KVAR)
- Power Factor (PF) , Phase Angel (Φ)
- Energy (WH , KWH , KVARH , PFH)
- Current measurement from 0.1mA to 1000A , capable of analyzing IT standby Power consumption to the maximum demand of a factory
- Display of 35 Parameters in One Screen (3P4W)
- Programmable CT (1 to 600) and PT (1 to 3000) Ratios
- Display of Overlapped Voltage Current Waveform
- Average Demand (AD in W , KW , MW)
- Maximum Demand (MD in W , KW , MW) with Programmable Period
- Harmonic Analysis (V123 and I123) to the 99th Order
- Display of 50 Harmonics in one Screen with Waveform
- Display of Waveform with Peak Values (1024 Samples / Period)
- Analysis of Total Harmonic Distortion (THD-F)



- Graphic Phasor Diagram with 3 Phase System Parameters
- Capture 28 Transient Events (Time + Cycles) with Programmable Threshold (%)
- 3 Phase Voltage Unbalance Ratio (VUR)
- 3 Phase Voltage Unbalance Factor (d0% , d2%)
- Calculated Unbalanced Current through Neutral Line (In)
- 512K Memory with Programmable Interval (1 to 6000 seconds , 17000 Records for 3P4W system)
- Output of Waveform , Power Parameters and Harmonice at Command
- Large Dot Matrix LCD Display with Backlight
- Optical Isolated RS-232C Interface

Specifications (23°C ± 5°C)

Please refer to users manual for more detailed and up-to-date description of specification.

AC Watt (50 or 60Hz, Auto Range, PF 0.8 to 1, CT=1, Accuracy of Readings)

Model 6801 (0 to 100A), Model 6802 (0 to 1000A)

Range	Resolution	Accuracy (6801)	Accuracy (6802)
100.0 – 999.9 W	0.1W	±1% ± 8dgts	±1% ± 8dgts
1.000 – 9.999 KW	0.001 KW	±1% ± 8dgts	±1% ± 8dgts
10.00 – 99.99 KW	0.01 KW	±1% ± 8dgts	±1% ± 8dgts
100.0 – 999.9 KW	0.1 KW	±1% ± 8dgts	±1% ± 8dgts
1000 – 9999 KW	1 KW	±1% ± 8dgts	±1% ± 8dgts
0.000MW – 9.999MW	0.001MW	±1% ± 8dgts	±1% ± 8dgts

AC Current (50 or 60 Hz, True RMS)

Range (Model 6801)	Range (Model 6802)	Resolution	Accuracy of Readings
0.0 – 999.9mA	—	0.1mA	± 0.5% ± 8dgts
0.0 – 9.999A	—	0.001A	± 0.5% ± 8dgts
0.00 – 60.00A	0.00 – 99.99A	0.01A	± 0.5% ± 8dgts
60.0 – 100.0A	0.0 – 999.9A	0.1 A	± 0.5% ± 8dgts

AC Voltage (50 or 60 Hz, True RMS, Accuracy of Readings)

Range	Resolution	Accuracy	Range	Resolution	Accuracy
3V – 250V	0.1V	± 0.5% ± 8dgts	250V – 600V	0.1V	± 0.5% ± 8dgts

Harmonics of AC Voltage in % and Magnitude (1 to 99th order)

Range	Resolution	Accuracy in %	Resolution	Accuracy in Magnitude
50V – 600V	0.1%	±1.0%	0.1 V	±1.0% ± 0.8V

Harmonics of ACA in % Percentage and Magnitude (1 to 99th order , Accuracy of Readings)

Range (6801)	Range (6802)	Res.	Accuracy (%)	Res.	Accuracy
0.0 – 999.9mA	—	0.1%	±1.0%	0.1mA	±1.0% ± 0.8mA
0.0 – 9.999A	—	0.1%	±1.0%	1mA	±1.0% ± 8mA
0.00 – 60.00A	0.00 – 99.99A	0.1%	±1.0%	0.01A	±1.0% ± 0.08A
60.0 – 100.0A	0.0 – 999.9A	0.1%	±1.0%	0.1A	±1.0% ± 0.8A

Power Factor (PF) Phase Angle (Φ)

Range	Resolution	Accuracy	Range	Resolution	Accuracy
0.00 – 1.00	0.01	± 1.5%° ± 8dgts	-180° to 180°	0.1°	± 1° ± 2 dgts

Total Harmonic Distortion (THD-F, 1 to 99th order)

Range	Resolution	Accuracy of Readings
0.0 – 999.9 %	0.1%	± 1.0% ± 8digits

Conductor Size (6801): Φ 30mm (approx.)

Conductor Size (6802): Φ 55mm(approx.), 64X24mm (Bus Bar)

Battery Type: 1.5V SUM-3 x 8 Display: Dot Matrix LCD with backlight

Power Consumption: 140mA (approx.)

External DC Input: DC 12V adaptor

(for safety purpose, the adaptor must be certified with 600V isolation protection)

No. Of Samples/Period: 1024 LCD update rate: 1 times / sec.

Operating Temperature: -10°C to 50°C Operating Humidity: < 85% relative

Storage Temperature: -20°C to 60° C Storage Humidity: < 75% relative

Weight: (6800) 1160g (batteries included)

Weight: (6801) 200g

Weight: (6802) 600g

Dimension: (6800) 257 (L) x 155 (W) x 57 (H) mm ,10.1"(L) x 6.1" (W) x 2.3" (H)

Dimension: (6801) 210 (L) x 62 (W) x 36 (H) mm ,8.3 " (L) x 2.5" (W) x 1.4" (H)

Dimension: (6802) 244 (L) x 97 (W) x 46 (H) mm ,9.6 " (L) x 3.8" (W) x 1.8" (H)

Accessories: test leads x 4, alligator clips x 4, Carrying bag x 1, Users manual x 1 and Batteries 1.5V x 8

Distribuye

