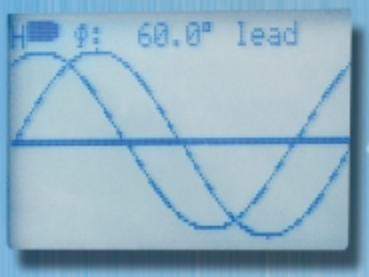
TES

Reliable in Quality

6200 Graphic Power Quality Analyzer

- Analysis for Single Phase and Balanced 3 Phase System
- True RMS Value (V and I)
- Active Power (W, KW, MW, GW)
- Apparent (VA, KVA, MVA) and Reactive Power (VAR, KVAR, MVAR)
- Power Factor (PF), Phase Angle (Φ)
- Energy (WH, KWH, KVARH, PFH)
- Programmable PT (1 to 3000) Ratios
- Display of Overlapped Voltage and Current Waveform
- Maximum Demand (MD in W, KW, MW) with Programmable Period
- Harmonic Analysis (V and I) to the 50th Order
- Display of 25 Harmonics in One Screen
- Datalogging of 32, 64,128 or 256 points/cycles
- Analysis of Total Harmonic Distortion (%THD-F)
- Graphic Phasor Diagram
- Capture 128 Transient Events (Time+Cycles+ Faults) with Programmable Threshold(%), also can be reviewed in LCD
- 50000 Records with Programmable Interval (1 to 6000 seconds)
- Real-time Output of Waveform, Power Parameters and Harmonics at Command
- Large Dot Matrix LCD Display with Backlight
- Optical Isolated RS-232C Interface
- Smart Datalogging to Save Battery Power for Long-term Monitoring
- Built-in Calendar Clock for Data Logging



EN61010-2-032
CAT III 600V
Pollution Degree 2

CE

Specifications (23¼C ± 5¼C) Please refer to users manual for more detailed and up-to-date description of specifications.

AC Watt (50 or 60 Hz, PF 0.5 to 1, CT = 1)

Range	Resolution	Accuracy of Readings (>20V and >20A)
10.0 - 999.9 W	0.1W	±1% ± 20dgts
1.000 - 9.999 KW	0.001 KW	±1% ± 20dgts
10.00 - 99.99 KW	0.01 KW	±1% ± 20dgts
100.0 - 999.9 KW	0.1 KW	±1% ± 20dgts
1000 - 9999 KW	1 KW	±1% ± 20dgts

AC Current (50 or 60 Hz, Auto Range, True RMS)

Range	Resolution	Accuracy of Readings
4.0 - 1500.0 A	0.01 A	±0.5% ± 5dgts

AC Voltage (50 or 60 Hz, Auto Range, True RMS)

Range	Resolution	Accuracy of Readings
4.0 V - 600.0 V	0.1 V	±0.5% ± 5dgts

Harmonics of AC Voltage in Percentage and Magnitude (1 to 50th order)

Range	Resolution	Accuracy (in %)	Accuracy (in Magnitude)
1 - 20th	0.1 %	±2%	±2% ± 0.5V
20 - 50th	0.1 %	4% of reading ±2.0%	4% of reading ± 0.5V

Harmonics of AC Current in Percentage and Magnitude (1 to 50th order)

Range	Resolution	Accuracy (in %)	Accuracy (in Magnitude)
1 - 20th	0.1 %	±2%	±2% of reading ±0.4A
20 - 50th	0.1 %	4% of reading ±2.0%	±4% of reading ±0.4A

Power Factor (PF)

Range	Resolution	Accuracy(>20V and >20A)
0.000 - 1.000	0.001	±0.04

Phase Angle (Φ)

Range	Resolution	Accuracy
-180¼ to 180¼ (0¼ to 360¼)	0.1¼	± 1¼

Total Harmonic Distortion (%THD-F, 1 to 50th order)

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

Crest Factor (C.F.)

Range	Resolution	Accuracy of Readings
1.00 - 99.99	0.01	± 5% ± 30 digits

Conductor Size : 55mm (approx.), 64 x 24mm (bus bar)
Battery Type : two 1.5V SUM-3
Display : 128 x 64 Dot Matrix
Power Consumption : 10mA (approx.)
Auto-Power-Off : 30 minutes after power-on
Update Time : 2 times/sec. (display)
No. of Samples per Period : 512 (voltage or current); 256 (power)
Operating Temperature : -10¼C to 50¼C
Operating Humidity : < 85% RH
Storage Temperature : -20¼C to 60¼C
Storage Humidity : < 75% RH
Dimension : 210mm (L) x 62mm (W) x 35.6mm (H) ; 8.3" (L) x 2.5" (W) x 1.4" (H)
Weight : 640g (battery included)
Accessories : test leads x 1 pair ; Carrying bag x 1 ; Users manual x 1 ; Batteries 1.5V x 2

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