

FEATURES

- 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 50th Order
- Display of 25 Harmonics in one screen
- Optical Isolated RS-232C Interface
- Smart Datalogging to save Battery
- 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 Wavaform,Power Parameters and Harmonics at Command Large Dot Matrix LCD Display with Backlight
- Power for Long-term Monitoring
- Built -in Calendar Clock for Data Logging

TECHNICAL SPECIFICATION

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

| Range | Resolution | Accuracy |
|----------------|------------|------------------------|
| 4.0V - 1500.0A | 0.01A | $\pm 0.5\% \pm 5$ dgts |

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

| Range | Resolution | Accuracy |
|--------------|------------|------------------------|
| 4.0 - 600.0V | 0.01V | $\pm 0.5\% \pm 5$ dgts |

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

| Range | Resolution | Accuracy (in%) | Accuracy (in Magnitude) |
|-----------|------------|--------------------------------|--------------------------------|
| 1 - 20th | 0.1% | $\pm 2\%$ | $\pm 2\% \pm 0.5V$ |
| 20 - 50th | 0.1% | $\pm 4\%$ or reading $\pm 2\%$ | $\pm 4\%$ or reading $\pm 5\%$ |

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

| Range | Resolution | Accuracy (in%) | Accuracy (in Magnitude) |
|-----------|------------|--------------------------------|-----------------------------------|
| 1 - 20th | 0.1% | $\pm 2\%$ | $\pm 2\%$ of reading $\pm 0.4A$ |
| 20 - 50th | 0.1% | $\pm 4\%$ or reading $\pm 2\%$ | $\pm 4\%$ or reading $\pm 0.4A\%$ |

Power Factor (PF)

| Range | Resolution | Accuracy |
|-------------|------------|------------|
| 0.000-1.000 | 0.001 | ± 0.04 |

Phase Angle (ϕ)

| Range | Resolution | Accuracy |
|----------------------------|------------|---------------|
| -180° to 180° (0° to 360°) | 0.1° | $\pm 1^\circ$ |

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

| Range | Resolution | Accuracy |
|------------|------------|---------------------------------|
| 0.0-20% | 0.1% | $\pm 2\%$ |
| 20-100% | 0.1% | $\pm 6\%$ of reading $\pm 1\%$ |
| 100-999.9% | 0.1% | $\pm 10\%$ of reading $\pm 1\%$ |

Crest Factor (C.F.)

| Range | Resolution | Accuracy |
|------------|------------|-------------------------|
| 1.00-99.99 | 0.01 | $\pm 5\% \pm 30$ digits |

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

| Range | Resolution | Accuracy |
|---------------|------------|-----------------------|
| 10.0 - 999.9W | 0.1W | $\pm 1\% \pm 20$ dgts |
| 1.00-9.999 KW | 0.001 KW | $\pm 1\% \pm 20$ dgts |
| 10.00-99.99KW | 0.01KW | $\pm 1\% \pm 20$ dgts |
| 100.0-99.9KW | 0.1KW | $\pm 1\% \pm 20$ dgts |
| 1000-9999KW | 1KW | $\pm 1\% \pm 20$ dgts |

GENERAL SPECIFICATION

| | |
|----------------------------|--|
| Conductor Size | 55mm(approx.),64*24mm(bus bar) |
| Battery Type | two 1.5 V SUM-3 |
| Display | 128*64 Dot Matrix |
| Power Consumption | 10 mA(approx) |
| Auto - Power - Off | 30 minutes after power-on |
| Update time | 2 times/sec.(display) |
| No. of Sameples per Period | 512(voltage or current), 256(power) |
| Operating Temperature | -10 °C to 50 °C |
| Operating Humidity | <85% RH |
| Storage temperature | -20 °C to 60 °C |
| Storage Humidity | <75% RH |
| Dimension | 210 mm (L) x 62 mm (W) x 35.6 mm (H),8.3"(L) x 2.5 "(W) 1.4"(H) |
| Weight | test leads 1 pair, Carrying bag 1,Users manual 1, Batteries 1.5V 2 |
| Accessories | 640g |



*Technical Specifications & Appearance are subject to change without prior notice