

POWER ANALYSER

Model : QPA-1

Application:

- Transformer like distribution transformer, Power transformer
- Home appliances
- AC Induction Motors as well as submersible pumps
- Calibration Laboratories



Features

- 600V (Ph - N), 1000V (Ph - Ph) True RMS volt measurement.
- 80 A True RMS Current Measurement.
- Multiple Displays (1. LCD Display 2. 7 Segment LED Display).
- High Speed Measurement.
- Harmonics (Individual and Total)
- Temperature Proof Calibration with long Interval Stability in measurement.
- Rack Mountable as well as Table Top Model (2 in 1).
- Portable Size.
- 5 Keys for user friendly operation.
- Inbuilt Surge Protection.
- Accuracy 0.2 class

Measurement Capability

- It can measure True rms, Mean, Rectified and Peak value of Voltage and Current.
- It can also measure Active Power (P), Apparent Power(S) and Reactive Power (Q) accurately.
- It is Micro controller based Instrument so, performs accurate calculations of V, I, P, PF with any load and signals of frequencies from 45 Hz to 65 Hz.
- It can measure frequency of V1 Input from 45Hz to 65Hz.
- Range of Voltage: - 10V to 600V Phase to Neutral. (Phase to Phase 1000V)
- Range of Current: - 80mA to 80A without use of external CT
- Harmonics Volts and Current upto 31st

Display and Keys of Operations

QPA-1 is designed for user-friendly operation with features like two displays:

- [1] Liquid Crystal Display of 20 x 4 line
- [2] Seven segment OLED Display for Long distance view.
- [3] 5 Keys are provided to perform easy operations.

Software to communicate with Computer (optional) at extra cost

QPA-1 is enhanced by USB / RS-232 serial interface to communicate with computer. Download software is provided for that. The software is capable to collect mostly all basic parameters from Instrument for both on line testing and capable to generate test report. User can record your testing data in real time also.

Parameters

Voltage (V) - V1,V2,V3 & Avg. Voltage.	Current (A) - I1 , I2 , I3 & Avg. Current.
System Frequency (Hz)	Active Power(W) - W1,W2,W3 & Total Wattage.
Power Factor (Cos ϕ) - PF1,PF2,PF3 & System.	Apparent Power (VA) - Total .