



Power Quality Monitor

Description





Overview

RISH PQM is a compact, multi-function panel mount power quality monitor, which measures, calculates and displays major electrical parameters of three phase power system like Voltage, Current, Active / Fundamental Reactive / Apparent Power and Energy, Individual Harmonics, Sags and Swells.

Application

Energy billing
Electrical load monitoring
Sub-metering

Product Features

Measures & Monitors more than 80 parameters:

- All basic electrical parameters.
- Power quality parameters (Overcurrent ,Sag & Swell).
- Individual harmonics contains of per phase voltage and current.

True RMS measurement:

- The instrument measures distorted waveform upto 56th Harmonic for 50Hz and upto 46th Harmonic for 60Hz.

Power Quality Measurement :

- Sags & Swells detection
- Measurable up to 56th (50Hz) harmonic on each phase.Maximum any 6 harmonics can be monitored simultaneously for each phase.
- Measurement of RMS value of fundamental and per phase voltage and current harmonics.
- (%) THD of per phase voltage and current
- Distortion factor of individual harmonics.
- Time stamping of sags & swells.

Graphical Analysis:

- Per phase individual harmonic bar graph representation.
- Real time vector representation of all 3 Phases for complete system analysis.

Energy class 0.5S as per IEC 62053 :

- Independent Import and Export energy counter.
- Active energy (kWh), Fundamental Reactive energy (kVArh) & Apparent energy (kVAh) measurement.
- Accuracy as per IEC 62053-22, IEC62053-23
- Impulse for energy verification

Onsite programmable for user desired application:

- Onsite programmable input voltage (100VLL to 500 VLL), input current (1A or 5A) and system configuration (3 phase 4Wire (unbalanced) or 3phase 3Wire (unbalanced) network).
- Onsite programmable CT ratio & PT ratio.
- ~~Wide auxiliary power supply range: 60-300VAC/DC.~~

