

PQ Smart 47S Portable Power Analyzer



Portable Power Analyzers

FORETEC ELECTRIC offers a wide range of portable power analyzers designed to measure, display and/or record the most important parameters of an electrical network. With the analysis of the electrical parameters, the user can find out the power consumption of the installation or detect problems within it.



Definition

Portable power analyzers are units designed for easy transportation, and temporary and simple installation; they are also capable of measuring electrical parameters whether or not the data is recorded in the memory.

As Foretec understands the small, Micro level industry, panel builders and Energy Managers for their day to day requirement of Power Analysis, which has to be rugged and low cost importantly high accuracy and reliability, trust we fulfilled all these requirements at our level best.

All of FORETEC ELECTRIC power analyzers have internal memory available where measured and calculated parameters are recorded.

Advantages

There are many diverse advantages of a portable analyzer for the user. The most important is information.

With a portable analyzer, all the power, energy and power quality parameters can be viewed and even the analyzer will capture Sag, Swell and Interruption events also. The basic software provides adequate data to the user

Response of an installation's load to see how it affects the rest of the installation, startup, shutdown or normal operation of the various charges.

The current measurement is performed by clamps/Rogowskies for easy installation, as there is a wide variety of models and ways of measuring them.

Angles of each of the loads for the analysis of reactive power, therefore avoiding penalties.

Analysis of defects in the supply or quality events to determine the causes of unwanted tripping of protection, restarting electronic equipment, or PLCs

Measurement of the harmonics of the installation that cause conductor warming, high neutral currents, and resonances with reactive compensation equipment.

Getting to know the demand for our installation to determine the power.

THREE-PHASE POWER ANALYZER



Description

- Portable power analyzer for three-phase and single-phase electrical networks with simultaneous measurement of power and energy, power quality and recording of transients, Sag, swell and interruption.
- PQ Smart 47S is the best tool for visualizing and analyzing the network's problems.
- TRMS measurement Includes meter for energy consume and generated.

Specifications

PQ SMART 47S	
Basic parameter	Yes
% THD V/I	Yes
Sag/Swell and Interruption	Yes
Individual Harmonics (V & I)	Up to 51 *
Communication	USB
No of Sample in One Period	128 Samples
Memory	16 MB
Maximum Voltage	690 VAC (VLL)
Frequency	45-65 Hz
Ambient Temperature	-5 to +55°C
Measurement Parameters	Current, Voltage, Energy, THD I, THD V, PF, Cosφ
Quadrants	4
Events Records & Storage	Yes
Dimension	96*96
Standard Accessories	U1, U2, U3, UN, Earthing
Voltage Probes	4 Sets (R,Y,B) with Crocodile Clips
	Power Supply Card
	USB Cable
	Log Viewer Software
Current Probes (Standard)	500 A Rogowsky 3 Sets with Integrator (or) 1000 A Rogowsky
Optional – Other ratios	
Optional	a. Entbus Plus Software for advance Data View b. Rogowsky or Clamps with different current rating and length of coil from 5A to 10,000 Amperes