

Power Quality Analyser (PQA)

Introduction

CSIR-CSIO's PQA is a compact state of art equipment designed for utilities, as well as for industrial & commercial customers. It can continuously monitor power quality in accordance with established standards, also the built in flexibility allows the user to set customized setting. PQA helps in monitoring and controlling harmonics injection limits specified by CEA which will save industries avoid penalties from the State DISCOMs. It is also useful for identifying the causes of equipment failures in critical sectors such as health, IT, ceramic, glass, power and petrochemical industries.

Features

- The Power Quality Analyser measures the power quality events like impulse transient, swell, sag, harmonics, phase sequence, unbalance along with basic electrical parameters like voltage, current, power factor, power and energies in a three phase four wire system
- This PQA can be connected at the incoming line and can also be used as a stand-alone instrument with facility for displaying the PQ parameters
- The PQA can be connected to a PC to download the data for permanent data storage and analysis via RS 232. This can also be connected to a network using MODBUS-RTU protocol

Product Differentials

- Measurement in 1-phase and 3-phase systems (3 and 4-wire),
- Measurement of voltage, current, harmonics, power, energy, inrush current, flicker
- Graphical presentation of data in a waveform and vector diagram
- Record of Events: Dips, Swells, Overvoltage's

Status: TRL 5: Ready for Technology Transfer

