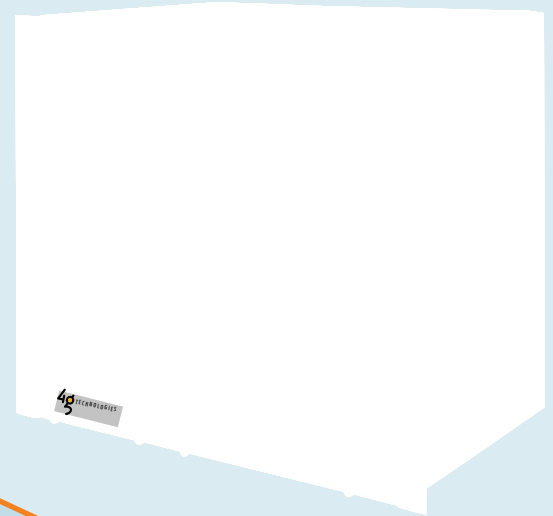
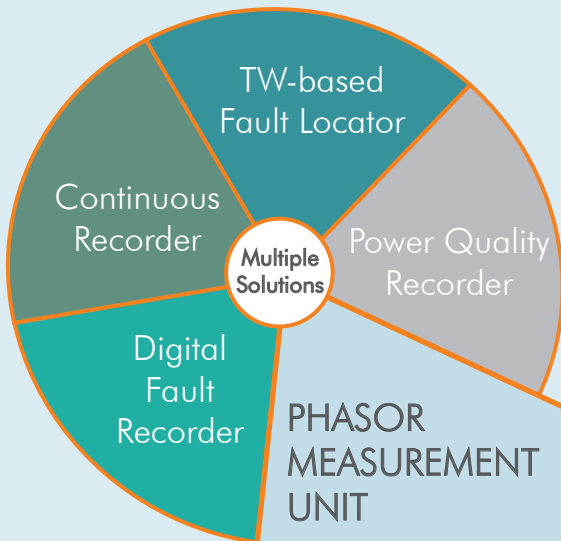


PV-310

PHASOR MEASUREMENT UNIT

THE MOST COST-EFFECTIVE PMU AVAILABLE ON THE MARKET

POWERED BY REASON® TECHNOLOGY



PHASOR MEASUREMENT UNIT

Tested by NIST and recommended by Quanta Technology for a large scale PMU project implemented by Brazilian System Operator

Built-in Substation Phasor Data Concentrator (SPDC)

Highly cost-effective and compact PMU with up to 64 analog channels

Ready for dynamic response requirements

Broadcast individual channels, sequences and analog channels for transducers

Communication with SCADA systems. Built-in continuous, faults, disturbance and power quality recorders. NERC standards compliant. Traveling wave-based fault locator modules

Designed to monitor entire substations and power plants

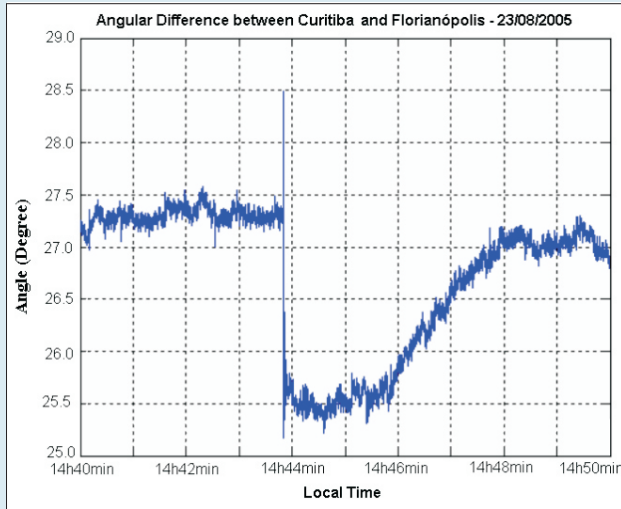
Factory calibrated

PV-310

PHASOR MEASUREMENT UNIT

Synchrophasors Measurement and Broadcast

Synchrophasors measured and broadcast according to IEEE C37.118 Standard for Synchrophasors for Power Systems.



Broadcast Rates

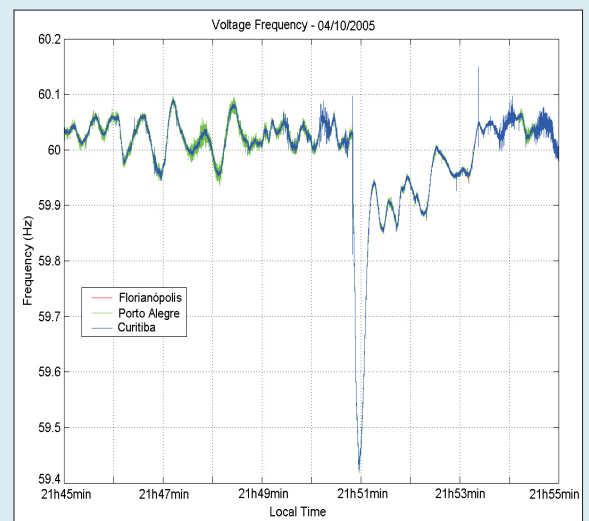
Broadcast rate can be selected from 10, 12, 15, 20, 30 or 60 frames per second for 60 Hz system frequency and from 10, 25 or 50 frames per second for 50 Hz system frequency.

Timestamp

The reported timestamp is synchronized to the UTC second rollover and refers to the middle of the sampling window.

Reported Values (user-selectable)

- Voltage synchrophasors (any phase)
- Current synchrophasors (any phase)
- Positive and negative sequence for voltage circuits
- Positive and negative sequence for current circuits
- Frequency and frequency variation of one circuit
- Voltage (RMS) value (any phase)
- Current (RMS) value (any phase)
- Voltage circuits imbalance
- Current circuits imbalance
- Total voltage harmonic distortion (any phase)
- Total current harmonic distortion (any phase)
- Any digital channel
- Any DC channel



4g TECHNOLOGIES

1812 Reliance Pkwy., Suite I
Bedford, TX 76021 USA
Tel: 817-571-9984 Fax: 817-571-9989
Email: info@4gser.com

www.4gser.com