ION7650

NRG.Lab portable ION7650 Power Analyzer

ION 7650 Suitcase features

- 3-phase, 4-quadrant metering, class 0.2 accuracy (IEC, ANSI)
- Voltage, current, neutral and earth current, power, frequency, power factor, demand, energy, and time-of-use metering
- Instrument transformer correction, transformer/line loss compensation
- IEC 61000-4-30 class A ed. 2, IEEE 519/1159, EN50160, IEC 61000-4-7/4-15 power quality compliance monitoring
- 1024 samples/cycle waveform capture, transient capture (20 µs @ 50 Hz), sag/swell monitoring, harmonics measurement (up to 63rd), symmetrical components
- Disturbance direction detection to indicate whether a disturbance originated upstream or downstream from the meter
- Setpoint learning to automatically learn what constitutes a sag, swell, transient or high and low setpoint.
- Sequence-of-events, coincident minimum /maximum, historical trends, and high-speed snapshot recording, 1 ms resolution timestamping, GPS time synchronisation
- 4 analogue inputs, 4 analogue outputs, 16 digital status/counter inputs, 7 digital control/pulse outputs
- 65 setpoints for alarms and control, 1/2 cycle response, multi-condition, call out on alarm
- 5 communication ports: Ethernet, modem, RS-232/485, RS-485, front panel optical
- 100Base–TX and 100Base–FX for faster Ethernet communication
- Protocols: Modbus RTU slave/master, Modbus TCP, DNP 3.0, MV-90, IEC 61850
- Ethernet and modem gateways to 31 devices on RS-485 port
- On-board web server, email for alarms and data, FTP server

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Integrate industrial measurement devices in your tests

Why using a Portable Analyzer?

- NRG.Lab develops customized control & monitoring systems based on Schneider ION7650 Power Analyzers
- The measurement systems are current and voltage transformers as in many industrial applications
- This solution is able to measure transient signals and long term values at a competitive price
- NRG.Lab provides a portable enclosure for nasty working environments
- All connectors an communication ports are expanded at the back panel
- NRG.Lab customize the platform for specific applications (measurements in power network, monitoring of power converters)

A configuration for your application

- NRG.Lab offers different solutions, combining the Power Analyzer with other devices as synchronizers, DC measurement systems etc.
- NRG.Lab provide split core transformers and specific voltage measurement tools, in order to achieve an easy on-site installation.
- Vijeo Citect templates and guidelines for their easy integration in existing SCADAs are provided.

NRG.Lab

NRG.Lab a UPC spin-off

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