

E10 Energy Analyzer

3-phase energy monitoring for industrial and commercial applications



E10 Energy Analyzer add-on module for S1000 Smart RTU

The E10 Energy Analyzer is an expansion module for the S1000 Smart RTU platform, which offers 3-phase energy monitoring and analysis. This combination enables advanced applications such as energy (sub-)metering, power factor monitoring and correction, power quality logging, Web-based energy monitoring, and wireless energy data acquisition.

Features:

- 3-phase (Delta or Wye) or 1-phase measurement
- True RMS voltage and current
- Active, reactive and apparent power
- Active, reactive and apparent energy accumulators
- Line frequency measurement

Specifications:

- Accuracy with calibration: 0.1%
- Off-the-shelf accuracy:
 - 1.0% RMS Current
 - 1.5% RMS Voltage
 - 3.0% Energy/Power
- Phase compensation for current transformers

Applications:

- Energy (sub-)metering, cost accounting in heavy industry
- Web-based energy monitoring
- Power factor analysis and correction
- 3-phase load balancing
- Smart buildings

Web-based Energy Monitoring

