

Prometer 100

precision metering series

in-built IEC 61850 support



Best in class accuracy



User friendly multilingual display



Field configurable for various installations

Prometer 100 is a series of next generation energy meters designed for power transfer points requiring precise measurements and revenue transactions. Multiple communication options ensure easy integration with AMR/AMI/SCADA systems and upgrade to future sub-station automation systems. Four-quadrant energy measurement allows monitoring of generation, transmission and bulk power transfer points.

Application

- Energy transfer measurement and reconciliation
- Power plants, feeder monitoring, grid substations, wind turbines
- On-line monitoring of energy exchange at various interface points
- Energy accounting, automation and system integration

Benefits

- Minimal integration cost through multiple communication interfaces
- Suitable for diverse applications through wide-range voltage, current and auxiliary supply inputs
- Support of industry standard DLMS and MODBUS meter reading protocols
- Meter reading and display viewing under power outage
- Multi-lingual support on display (Swedish, German, English, French, Spanish and Italian)

Features

- 0.2s accuracy for active and reactive measurement
- Wide-range dual auxiliary supply with options for AC/DC and self-power (VT powered)
- Power quality features including THD, sag, swell, voltage unbalance and interruption recording
- Dynamic error compensation for CT/VT
- Transformer/line loss adjustment (copper and iron losses)
- Intuitive graphical display including vector diagram, wave forms and bar chart for consumption
- Remote configuration of communication ports
- Simultaneous DLMS and MODBUS over Ethernet port
- Supports meter reading and display using field replaceable battery
- In built IEC61850/RS232 port along with RS485 and Ethernet ports in a single product, with simultaneous communication capability
- Dual loggers for energy and instantaneous parameters
- Flexible time-of-day tariff, maximum demand,
- DST (Daylight saving time) support, with automatic billing dates