



the e.a. group



SMALLER, FASTER, STRONGER

Featuring a wealth of advanced features, high accuracy measurements and robust construction, the ION 7550 offers value, functionality and ease of use. It has all the capabilities of its predecessor; the ION 7500, and more – including faster sampling rate, expanded onboard memory, and enhanced communications options.

**ION
7550**
POWER
DISTRIBUTION
UNITS



KEY FEATURES

- Exceeds Class 0.2 revenue accuracy
- True RMS 3-phase voltage, current and power
- Instantaneous 3-phase voltage, current, frequency, and power factor
- Energy: bi-directional, absolute, net, time-of-use, and loss compensation
- Demand: rolling block, predicted, and thermal
- 256 samples per cycle
- Harmonics: individual and total harmonic distortion up to the 63rd
- Sag/Swell
- Waveform recording
- Number of Nines (power availability)
- K-Factor for voltage and current inputs
- Crest Factor using ION Enterprise software
- Communications
- Web server; MeterM@il® allow distribution of metered data and alarms over the Internet
- Optional built-in modem with ModemGate™ to allow modem access for 31 other devices
- 10Base-T or 10Base-FL Ethernet port option with EtherGate™ for direct data transfer from Ethernet to as many as 31 RS-485 devices
- Two RS-485 ports, one switchable to RS-232
- ANSI C12.18 Type 2 optical port
- Modbus™ RTU on multiple serial connections
- Modbus TCP on Ethernet ports
- DNP 3.0 on multiple serial connections
- DNP 3.0 TCP on Ethernet ports
- Modbus Master support
- On-Board Data Logging
- The maximum number of cycles for contiguous waveform capture is 171,000 (based on 16 samples/cycle x 96 cycles, and the largest capacity of meter memory including the memory upgrade option)
- Scheduled or event-driven logging for hundreds of parameters
- Sequence-of-events & min/max logging
- Setpoints for Control and Alarms
- Setpoint on any parameter or condition
- 1 second or _ cycle operation
- Inputs and Outputs
- 8 digital inputs for status/counter functions
- 7 digital outputs for control/pulse functions
- Optional analog inputs and outputs

