

Series-20 Technical Specifications



Metering Specifications

Metered Voltage: 120, 220, 240, 277, 347, 380, 480, 600

Current Input: CL10, CL20 and CL200 available

Four quadrant Consumption & Demand: Delivered and received: kW, kVARLeading, kVARLagging, & kVA

Programmable interval data & peak demand:

Real time per phase: Voltage, current, phase angle, power factor, THD, watts, VARs, VA and frequency

Time of Use: Up to 16 blocks and 48 slots per day available for all metering

**Meets ANSI C12.1, C12.16, IEC 687 and Measurement Canada
ANSI Optical Communication Interface (Standard Feature)**

Additional Features

Pulse Datalogger: Pulses can be logged in programmable intervals
Pulse will count during power outage

Sealed Demand Reset: Allows local reset of peak demand register
Data Integration Options: IQ Software

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Communications Options

Power Line Communications (standard feature)
19.2K internal modem
Network data link (4-wire RS-485)
RS-232 serial port

Accuracy

± 0.5% @ unity and 50% power factor; 1-100% of full-scale (excluding external CT error)
Test Mode

Liquid Crystal Display

Push button scroll
32 digit liquid crystal display (16 digit x 2 rows)
6 whole digit consumption register
Data digit height: .31"
Programmable display scroll, decimal place display and unit values (kilo or mega)

Operating Range

Voltage: Rated Voltage (90% to 110%)
Temperature: (-20 C to +60 C)
Humidity: 0 to 95% R.H. (non-condensing)
Transient/Surge Suppression: ANSI C37.90.1-1989

Memory

512 kbyte non-volatile flash memory retains daily and interval data
During power outage:
- Flash memory retains daily and interval data
- Long-life lithium battery maintains time, logs incoming pulses and retains data acquired within the incompleting interval at the time of the outage

Shipping Weight

1 meter box: 3.5 lbs (1.59 kg)
8 meter box: 30 lbs (13.61 kg)

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