Solid State Socket Meter

S-20 Specifications

Available ANSI forms: Class 10 & 20 - 6S, 9S
Class 200 - 1S, 2S, 11S, 12S, 16S

Metering Specifications

Metered Voltage:	120, 220, 240, 277, 347, 380, 480, 600
	Delta or Wye, 50/60 Hz
Current Input:	CL10, CL20 and CL200 available
Four quadrant Consumption & Demand:	Delivered and received: kW, kVARLeading, kVARLagging, & kVA
	Volts-squared hours & amp-squared hours
Programmable interval data & peak demand:	5 min to hourly intervals
	Block or rolling block demand
	Meter total and/or by phase
Real time per phase:	Voltage, current, phase angle, power factor, THD, watts, VARs, VA frequency
Time of Use:	Up to 16 blocks and 48 slots per day available for all metering parameters
	(accommodates seasons, holidays and daylight savings)
Pulse Datalogger:	Up to 4 Form A pulse inputs
Sealed Demand Reset:	Allows local reset of peak demand register

Standards

- ANSI C12.1 – 2001
- ANSI C37.90.1 – 1989
- IEC 687
- Measurement Canada

Data Interrogation Options

- Software: IQ, MV-90 TIM, PrimeRead and Obsidian
- ASCII-based data source

Communications Options

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

Accuracy

- Exceeds accuracy class 0.5% burden

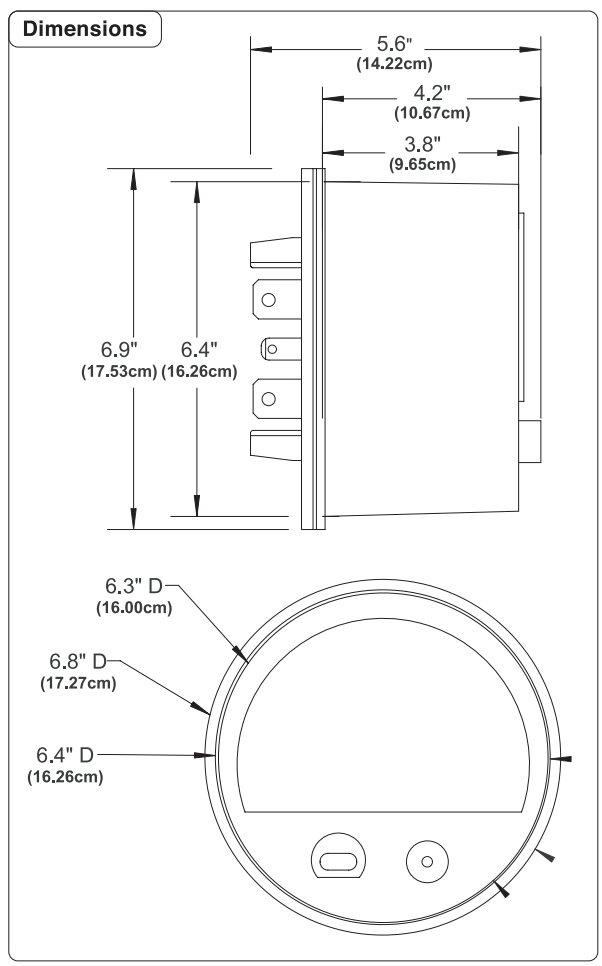
Liquid Crystal Display

- Push button scroll
- 32 digit liquid crystal display (16 digit x 2 rows)
- 6 whole digit consumption register
- Data digit height: 0.31”

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: EN61000-4-4 and 4-5

Dimensions



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 incompleted interval at the time of the outage

QLC QUAD LOGIC Digital Electric Metering Systems

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