

# S-10 Technical Specifications



## Metering Specifications

<b>Metered Voltage:</b>	120, 220, 240, 1ϕ2W, 2ϕ3W or 3ϕ4W
<b>Current Input:</b>	0.1Amp input (50A, 100A or 200A Primary)
<b>Four quadrant Consumption &amp; Demand:</b>	Delivered and received: kW, kVARLeading, kVARLagging, & kVA
<b>Programmable Interval Data &amp; Peak Demand:</b>	
<b>Real time per phase:</b>	Voltage, current, phase angle, power factor, THD, watts, VARs, VA and frequency
<b>Time of Use:</b>	Up to 16 blocks per day available for all metering parameters
<b>Meets ANSI C12.1 and C12.16 UL, UL-C File E204142</b>	
<b>IEC Optical Communication Interface (Standard Feature)</b>	

## Additional Features

<b>Pulse Datalogger:</b>	Up to 4 Form A dry contact pulse inputs for water, BTU, gas, other
<b>Specifications:</b>	Max. Distance: 300 feet from external pulse meter to S-10 (18 gauge min.)
	Max. Pulse Rate: Power on: 10 pulses/sec max, Power off: 1 pulse/sec max
<b>Data Integration Options:</b>	IQ Software

## Communications

Power Line Communications (standard feature)

## Accuracy

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

## Liquid Crystal Display

32 digit liquid crystal display (16 digit x 2 rows)  
6 whole digit consumption register  
Data digit height: 0.31"  
Programmable display scroll & decimal place display

## 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 & Dimensions

	1 meter box	8 meter box
<b>Flush Mount:</b>		
<b>Surface Mount:</b>		
<b>Flush Mount Dimensions:</b>		Face Plate: 6.51H x 111W
<b>Surface Mount Dimensions:</b>	3.751 x H 8.251W x 31D	