

WE SENSE DISASTER...
AND NOW YOU ARE IN CONTROL...

Power Monitor Sensor



The ability to remotely monitor power can provide a huge return on investment by providing savings in both man hours and downtime. Remote monitoring capabilities eliminate the need for manual power audits as well as provide immediate alerts to potential problems. The new Power Meter sensor is specifically designed to be used with AKCP's Linux based line of securityProbe units. Combining the Power Meter Sensor and securityProbe creates a fully IP enabled power monitoring product. AKCP's new Power Meter sensor is more rugged in design and communicates through the RS485 port. It has been integrated into the securityProbes popular 80 virtual sensors feature. Users can be alerted on the sensor exceeding a pre-defined threshold with AKCP's industry leading notification options like: SNMP traps, email, SMS, MMS and Skype support.

Data collected over time using the Power Meter Sensor can also be viewed using the securityProbe's built in graphing tool and can be exported to external applications for analysis.

The Power Meter Sensor is a multifunctional 3 phase (can be used as a single phase), four wire power meter that can be mounted on a 35mm DIN rail and comes pre mounted in a protective high quality plastic enclosure. It is capable of measuring Total Active Power, Total Reactive Power, Active Power, Reactive Power, Phase Line Voltage, Phase Line Current and Power Factor. The meter meets the International standard for Active energy: IEC 62053-21 and Reactive energy: IEC 62053-23

The meter can be ordered in two versions, for either 110 or 220 supply voltages. The 220V meter can measure voltage between 161/279 – 300/520V AC (3~) Volts and current between 0.25 to 30A. The 110V meter can measure voltage between 95 to 125 Volts and current between 0.25 to 30A.

Specifications & Features

- Supply Voltage: 110V or 220V
- Measurements:
 - Voltage on 220V: 230 to 400V AC (3~)
 - Current on 220V: 0 to 30A
 - Voltage on 110V: 84/146 – 156/270V AC (3~)
 - Current on 110V: 0 to 30A
 - Active and apparent power (Watt and Watt-Hour)
- Operational frequency range: 50Hz \pm 10%
- Communications cable: RS485 cable
- Measurement rate: one reading every second.
- Up to 64 power monitor sensors per securityProbe
- Built in LCD display
- Power source: sensor powered by measured power point
- Power Consumption: 2W / 10VA per phase
- Dimensions: Height = 88 mm, Width = 125 mm, Depth = 68 mm, Weight = 0.75Kg (net)

** Installation should be performed by qualified electricians familiar with applicable codes and regulations..*