

Analog Output Current Sensor



Item Description

Analog output current sensors monitor the current flowing to electrical equipment. The SPAP/A series are the solid-core versions, where the conductor runs through the sensor, no cutting, taping, or rerouting is required. The current sensors are accurate, reliable, easy to install, and require less service than differential pressure switches, flow switches, and paddle wheels.

The SPAP/A is an extremely accurate sensor, 0.5% of full scale, in the frequency range from 20 to 100Hz with currents up to 200A. The sensor outputs a 2-wire, 4-20mA output. The zero and span is factory calibrated and is jumper selectable from 0-100 to 0-200 Amps. The sensor is loop powered and requires an input voltage of 10 to 40 VDC. These sensors come with a one year warranty.

Application

OmniSite's analog current sensors monitor the current flowing to motors for predictive maintenance. The magnitude of the current is directly converted to a linear output signal useable by an OmniSite RTU. The signal is used to detect conditions such as over or under loads, excessive wear, broken belts, and mechanical failure in motors and pumps.

Features

- More accurate than traditional two-piece field installed solutions
- "Average Responding" algorithm gives RMS output on pure sine waves; perfect for constant speed (linear) loads
- Jumper selectable ranges reduce inventory and eliminate zero and span pots
- Output is magnetically isolated from input for safety
- UL, CUL and CE Approval accepted worldwide

Specifications

Model	SPAP/A200
Amperage Rating	0-100, 0-150, 0-200 Amps
Sensor Output	4 to 20 mA
Accuracy	+/-0.5% FS
Supply Voltage	12-40 VDC Loop Powered
Isolation	1270 VAC

Analog Output Current Sensor

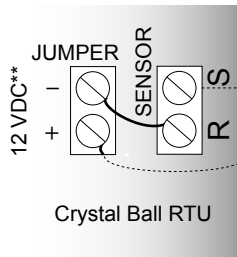


Ordering Information

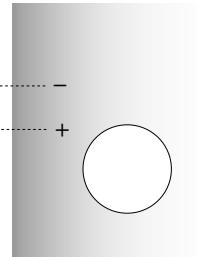
Part Number: AP/A200 Range: 200A

Wiring

TWO-WIRE LOOP POWERED



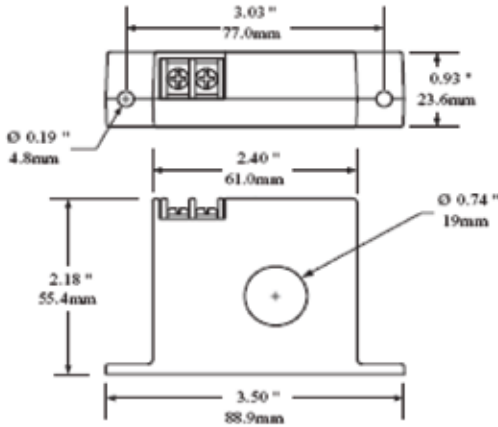
AP/A200



* Crystal Ball Analog Input Impedance = 250 ohms
** 12VDC @ 80mA max, each input

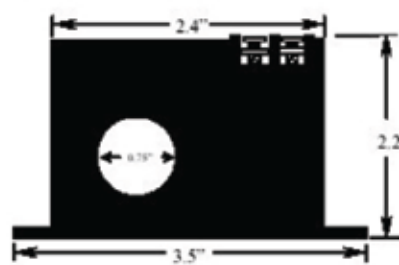
Diagrams

FT CASE



DIMENSIONS (in inches)

Side View



Top View



POWER SUPPLY

