

SC 200

Premium, Field Configurable Vibration & Temperature Signal Conditioners Product Features

Signal Conditioners Identify Transient Faults and Guard Against Failure Between Monitoring Cycles.

Now vibration data can be monitored by control room personnel, without any knowledge of vibration signals. The SC200 Series units provide process control signals to a PLC, DCS, or SCADA system, in 4-20 mA outputs, along with a selectable 0-5 VDC or 0-10 VDC signals, that are proportional to the vibration levels set within the signal conditioner.

The SC200 Series also provides dynamic data to be collected for analysis with conventional Vibration Data Acquisition systems.

- Internal DIP switches allow easy "field configuration 2nd set" for input signal, scale values, filtering options and outputs
- Accepts a variety of signal inputs; acceleration, velocity, temperature and displacement (see below)
- Sensor Power On/Off option allows dual banding, ranges, units, filters and outputs with multiple signal conditioners to be configured for dual banding



Specifications

- 4-20 mA output signal for vibration and temperature (0-1.2 VDC input)
- Each 4-20 mA output requires isolated common (not shared)
- Additional 0-5 or 0-10 VDC output signal for vibration signal input
- Buffered output via BNC jack and screw terminals
- Humidity range of 0-95% relative, non-condensing
- +3dB Filter Range
- Screw terminal connectors, detachable
- 35 mm DIN rail mountable
- Operating temperature range: -40°F (-40°C) to 158°F (70°C)

Electrical

- Input power: 24 to 32 VDC unregulated / 225 mA maximum
- Power from conditioner to sensor:
24 VDC, 4 mA DC sensor excitation, selectable On/Off sensor power (as required)
- Maximum load resistance of 600 ohms
- Isolation: 1000 VDC

