SC310/SC311 Series

USB Configurable, Single Band Vibration / Ultrasound plus Temperature Signal Conditioner



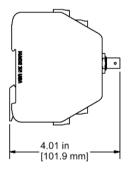


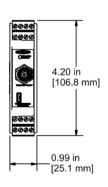
Product Features

Micro USB port and dedicated software allow for field configuration of input signal, scale values, filtering options and outputs; built-in IEPE supply for powering sensors can be toggled on or off configurations. **USB Configurator Cord Sold Separately

Provides process control signals to a PLC, DCS, or SCADA system that are proportional to the vibration levels set within the signal conditioner.

- Accepts a variety of signal inputs: acceleration, velocity, temperature and displacement; capable of monitoring ultrasound frequency signals up to 40 kHz
- Provides a user selectable band-pass filtered output from one single axis sensor input
- An additional built-in temperature output is a standard supplied feature, which may be utilized when using a CTC TA200 series dual output vibration and temperature sensor





| Specifications | |
|---------------------|--|
| | 4-20 mA output signal proportional to temperature input (.1-1.7 VDC input) |
| Output | One fully configurable process control output signals for vibration (0-20 mA, 4-20 mA, 0-5 VDC, or 0-10 VDC) |
| Humidity Range | 0-95% relative, non-condensing |
| Connectors | Screw Terminals, detachable |
| Input Power | 24 to 30 VDC unregulated / 4W Absolute Maximum* |
| Sensor Power | 24 VDC, 4 mA DC sensor excitation |
| Max Load Resistance | 1000 ohms |
| Isolation | 1000 VDC |
| Temperature Range | -40 to 176°F (-40 to 80°C) |
| | No Load: ±2%* |
| Tolerance | Scaling: ±6%* |
| | *Maximum tolerances listed at 25°C |