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TECHNOLOGY GROUP

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SC310 Series

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

VIBRATION ANALYSIS HARDWARE

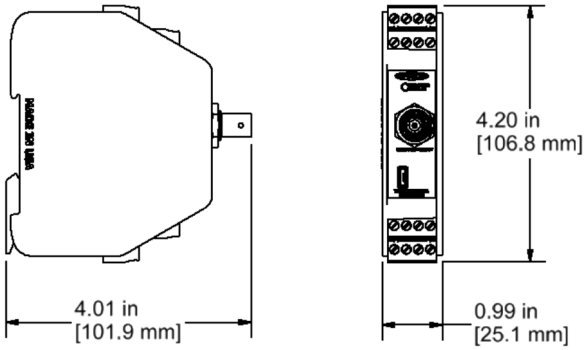


Product Features

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

Output	4-20 mA Output Signal Proportional to Temperature Input (0.1-1.7 VDC Input) 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 158 °F (-40 to 70 °C)
Tolerance	No Load: ±2%* Scaling: ±6%* *Maximum Tolerances Listed at 25 °C

Built to Order

*Condition: VDC = 30V, CH1 = 20 mA,
CH2 = 20 mA, Temperature out = 20 mA
Cooling is Required if Enclosure Temperature Exceeds 140 °F (60 °C)

Artisan Technology Group is an independent supplier of quality pre-owned equipment

Gold-standard solutions

Extend the life of your critical industrial, commercial, and military systems with our superior service and support.

We buy equipment

Planning to upgrade your current equipment? Have surplus equipment taking up shelf space? We'll give it a new home.

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