SC300 SERIES SIGNAL CONDITIONERS

CONNECTION TECHNOLOGY CENTER

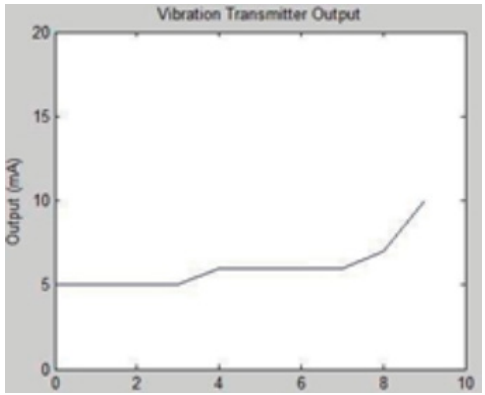
WHEN RELIABILITY MATTERS CONNECT TO CONFIDENCE

SC310 vs SC320

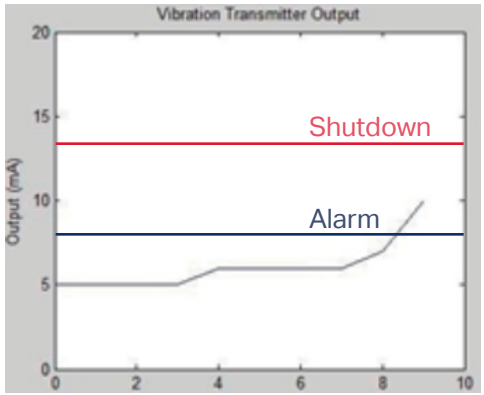
SC310	SC320
Single Vibration Band Output	Dual Vibration Band Output
Standard Version	Premium Version
Micro USB port and dedicated software allow for field configuration of input signal, scale values, filtering options and outputs; built-in IEPE supply for powering sensors can be toggled on or off configurations	
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 vibration & ultrasound frequency signals up to 40 kHz	
An additional built-in temperature output is a standard supplied feature, which may be utilized when using a CTC TA series dual output vibration and temperature sensors	

HOW IT WORKS

DUAL VIBRATION BANDS



Monitoring
Low Frequency



Monitoring
High Frequency

HOW ITS IMPROVED

*Legacy Version

SC200	SC300
One 4-20mA loop output, one 0-5V/0-10V output; both with the same configurable scaling in reference to the input sensor	One or two independent outputs based upon model, configurable to either 0-20mA, 4-20mA, 0-5V, or 0-10V; each with its own configurable scaling in reference to the input sensor
Supports vibration frequencies up to 20 kHz, no support for ultrasound frequencies	Vibration & ultrasound frequencies supported up to 40kHz
Field configurable via dipswitches on PC board	Field configurable via external USB port to PC with free CTC configurator software
Selectable digital band pass filters from 5Hz-15kHz	Selectable digital band pass filters for each channel from 1Hz-40kHz
No short circuit protection on dynamic output BNC	Dynamic output via BNC is buffered and offers continuous short circuit protection
2Hz high pass analog filter, 20kHz low pass filter	15kHz high pass analog filter for ultrasound configurations; analog low pass filters for removal of high frequency noise
-40 °C - 70 °C operating temperature range	-40 °C - 80 °C operating temperature range
Outputs require isolated commons	Commons shared between outputs, allowing for shared commons within the device or across multiple devices
0-1.2V temperature input range	.1-1.7V temperature input range configured for CTC TA series sensors
Molded plastic case	Powder coated cast aluminum case

YES, IT'S COVERED!

At CTC, we understand that predictive maintenance is vital across a wide array of industrial applications. That's why we've developed the industry's most durable and reliable line of vibration analysis hardware, including accelerometers, 4-20 mA hardware, protective enclosures, and related acccesories.

For more than a quarter of a century, CTC has stood behind its promise to bring you the best industrial solutions to simplify 24/7 protection of critical machinery and applications, designed to withstand long term use in the harshest industrial environments.

We're so proud of our **CTC Signal Conditioner Systems**, which is why we back our products with the industry's best-in-class Unconditional Lifetime Warranty.

If any CTC signal conditioner should ever fail, CTC will repair or replace it at no additional cost.

Damage Caused by Plant Fire
Damage Caused by Heavy Abuse
Damage Caused by Water
Damage Caused by Accidental Neglect
Damage Caused by a Variety of Outrageous Circumstances: Crushed, Run Over, Exposed to Harsh Weather and Conditions, and many more.

We wouldn't have you do business any other way.

TODD COOK
Co-owner

LAURA COOK
Co-owner

ANDREW COOK
Director of Sales

CHARLOTTE COOK
Director of Marketing

CONTACT CTC

CTC IS HERE TO HELP WITH YOUR VIBRATION ANALYSIS NEEDS

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