



# 177230 Seismic Transmitter

## Applications and Benefits

The Optimization and Control group has released a new seismic transmitter for basic machinery protection when used as part of a PLC or control (DCS or SCADA) system. The new 177230 Seismic Transmitter has a 4 to 20 mA primary signal output and a secondary dynamic signal (voltage) for diagnostics. It is a completely self-contained unit that looks like a standard accelerometer. The 177230 seismic transmitter joins the existing GE family of transmitters consisting of the 990 Vibration Transmitter, and the 991 Thrust Transmitter.

## Product Application

Transmitters do not supply the level of data required to diagnose machine problems; however, they are a practical solution in some applications for measuring general vibration levels. When integrated into control or monitoring systems, measurements supplied via transmitter systems are a valuable tool for overall vibration trending.

The 177230 Seismic Transmitter is targeted for use on auxiliary or general-purpose machinery assets with rolling element bearings—such as motors and small reciprocating compressors where advanced diagnostic ability is not financially justifiable.

## Benefits

- **Reliable.** Designed for long life and accurate, trouble-free performance.
- **Lightweight and Robust.** Moisture resistant and drop impact tolerant.
- **Compatibility.** A two-wire, 4 to 20 mA dc signal loop enables compatibility with virtually all types of control and monitor systems.
- **Easy Implementation.** No field configuration or adjustments.
- **Safety Compliant.** Safe and ergonomic design; approvals support access to hazardous areas.

To learn more, contact:  
GE Measurement & Control  
1631 Bently Parkway South  
Minden, NV 89423  
<http://www.ge-mcs.com/>

## Features

Two available signals	Primary 4 to 20 mA Velocity (0-1 IPS, 10-1,000 Hz, rms, 4-20mA)
	Secondary (for diagnostics) Dynamic Output Acceleration (Unbuffered 100 mV/g, 4-10,000 Hz)
Multi-Approved	CE
	ATEX Class 1, Zone 2 (pending)
	CSA Class 1, Div 2/Zone 2 (pending)
Temperature Performance	-40°C to +85°C (-40°F to +185°F)
Simple Platform	Industry Standard Interfaces

