

## High temperature vibration sensor 375°C

### Vibration velocity transducer 5485C

### Connection cable 4850



### Product description

The seismic sensor Type 5485C is characterized by its extremely temperature-resistant design. Even in applications with temperatures of up to 375°C, this transducer operates continuously and returns the velocity signal of housing vibrations to the control unit or control station.

### Applications

- Industrial gas turbines
- Furnace blowers
- Machines with high surface temperature

### Advantages

- Mounting compatibility with many gas turbines (new and existing)
- No additional power supply required



Features

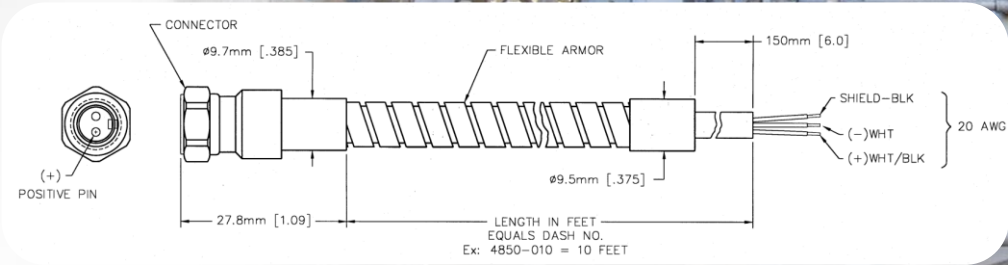
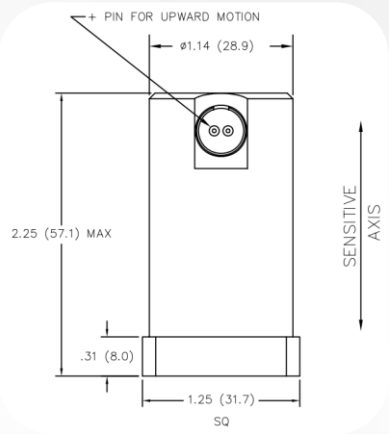
- Rugged, highly accurate, analog speed sensor
- Ideal for surface temperatures > +120°C
- Seismic, for all motion axes
- Versions in 4 different sensitivities
- Versions also with integrated signal cable, armored and shielded in different lengths (0.61m ... 30.5m)
- Additional power supply not required
- Mounting compatibility with many gas turbines
- Approvals for hazardous areas
- Corrosion resistant stainless steel housing
- 1/4-28 UNF bolt mounting - with adapter (8531)

Technical data



Characteristic	Technical values
Vibration transducer	Coil, inductive
Frequency range (-3dB)	15 Hz ... 2 kHz
Sensitivity	105, 145, 150, 200 mV/in/s
Transversal sensitivity	< 10%
Measuring direction	axial
Housing material	Stainless steel 416L
Operating temperature range	-54°C ... +375°C
Temperature sensitivity	< 0.02% /°C
Signal output	2-pin connector or integrated cable
Weight	ca. 0.2kg

Drawings



Bahrman GmbH

Max-Planck-Str. 34 · 71116 Gärtringen · Germany  
Fon +49 7034 270 459-0

info@bahrmanngmbh.de  
www.bahrmanngmbh.de

