Aero Support Ltd, P.O. Box 483, Farnham, Surrey, GU9 8WS, U.K.

4-130-0128 Vibration Transducer

Applications

- Aircraft Turbine Engines
- Test Cells
- Civil & Military Aircraft Ground Support

Features

- New bearing materials provide exceptional life
- Self-generated, high-level, low impedance output
- CEC's smallest velocity transducer

Description

CEC Vibration Products is proud to present the newest addition to the very successful 4-130 family of self- generating, low impedance, velocity output vibration transducers.

Designed for use on turbine applications where temperature and noise can cause other sensors to malfunction, the 4-130-0128 can be mounted in tight-fi t locations to assure that only actual engine vibrations are transmitted for analysis.

CEC velocity transducers simplify your analysis system because low impedance, high level AC mV output does not require special preamplifiers or costly low-noise cables.

The 4-130-0128 velocity transducer provides a direct calibrated AC mV/inch/sec output that can be transmitted via standard cable uninterrupted to the monitoring systems.

Hazardous Area Rating:

North American

CSA C/US	Class I, Division 1, Groups A, B, C and D Class I, Division 2, Groups A, B, C and D

European

ATEX	EEx ia IIB or IIC T6 - T1 EEx nA II T6 - T1 X

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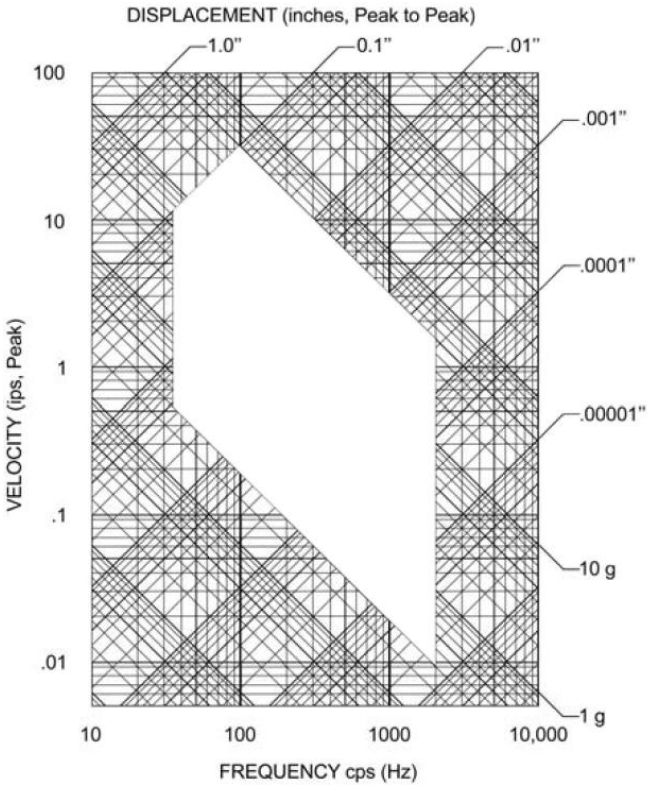

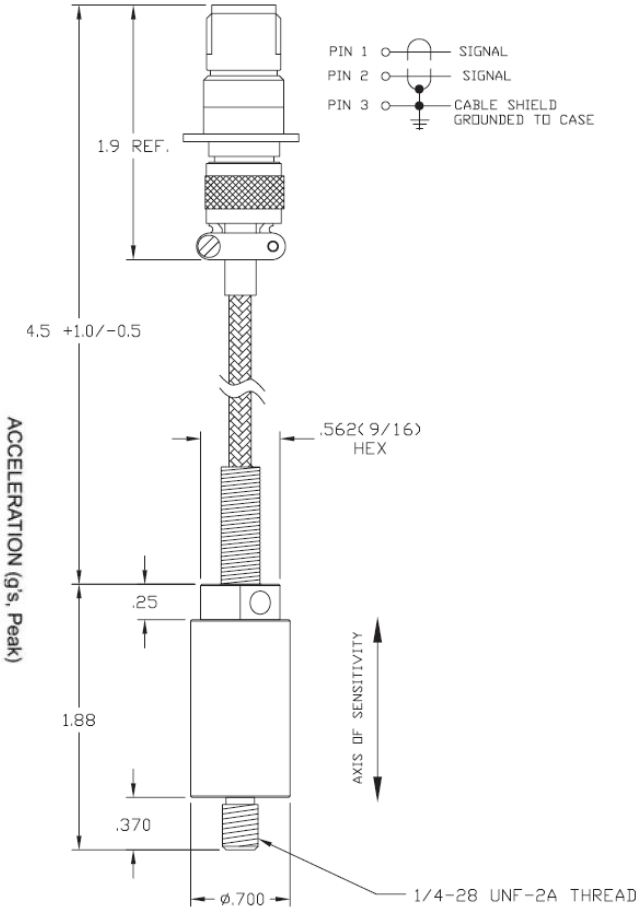

Performance Specifications

Sensitivity:	100 mV/in/sec ±3%	**Transverse Sensitivity:**	2% maximum
Dynamic Range		**Temperature Range**	
Frequency:	35Hz to 2000Hz	**Operating:**	-54°C to +260°C (-65°F to +500°F)
Amplitude:	0.10 inch peak-to-peak, maximum	**Error:**	±0.02%/°F from reference +77°F
Acceleration:	0.3g to 50g, mounted vertically 1.0g to 50g, mounted horizontally	**Excitation:**	Self-generating
Frequency Response		**Insulation Resistance:**	0.1 mega ohm minimum @ +500°F
Vertically Mounted:	35 to 45Hz, ±10% max 45 to 2,000Hz, ±6% max	**Shock:**	50g's maximum in any direction
Other:	35 to 2,000Hz, ±10% max	**Sealing Method:**	Unit is of welded construction
Linearity:		**Weight:**	2.7 oz.
Vertically Mounted:	35 to 2,000Hz, ±8% max	**Mounting:**	1/4-28 stud
Other:	35 to 2,000Hz, ±10% max		