

## 4-162 Sensor/Transmitter (4 to 20mA output)

### Applications

- Light Industrial
- Multi Point Experimental
- Gear Boxes, Fans, Motors
- Generators
- Bearing Housing
- Compressors, Pumps

### Features

- Two Wire Current Driven
- Internal Amplifier
- Hermetically Sealed
- Internal Shielded
- Electrical Isolation, Thermal Isolation
- Stainless Steel Body
- Single Point Mounting
- Direct Data Acquisition & PLC Input



### Description

The 4-162 vibration sensor is a compact well-protected industrial accelerometer, giving a process output of 4-20mA proportional to various vibration ranges in terms of velocity RMS.

The 4-162 is intended for use as a direct input of vibration levels into many different kinds of control and data acquisition systems, however it can be used with a trip amplifier or suitable display as a stand alone unit.

The outer case is constructed from stainless steel, hermetically sealed and electrically isolated from the signal connection which is made via a top exit cable or 2-pin connector.

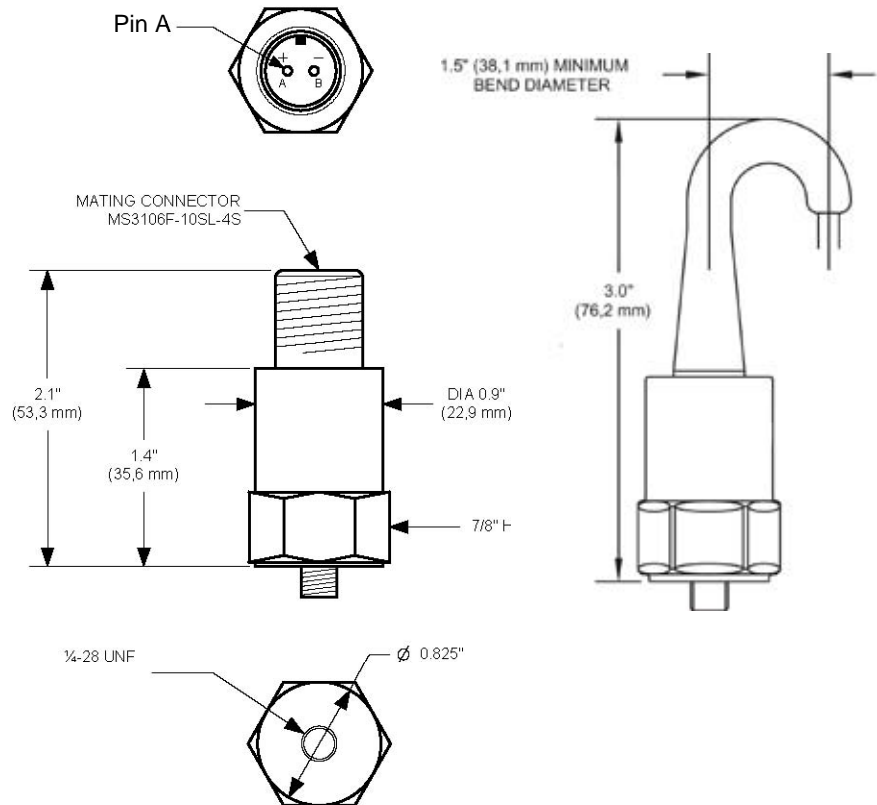
The transducer is mounted by means of a single threaded hole in the base of the cylindrical body, which accepts a mounting stud which can be supplied by CEC.

### 4-162 Specifications

Output:	4 to 20 mA proportional to 0-0.5, 0-1, 0-2 ips RMS (0-15, 0-25 or 0-50 mm/sec RMS)
Linearity:	Less than 5% at 10Hz to 1000Hz
Supply Voltage:	18 to 30 volts DC
Cross Axis Sensitivity:	Less than 5%
Frequency Range:	2.5 Hz to 2500Hz $\pm$ 3dB
Transverse Sensitivity:	Less than 5%
Operating Temperature Range:	-40°C to +85°C (-40°F to +185°F)
Storage Temperature Range:	-55°C to +121°C (-67°F to +250°F)
Environmental Sealing:	Welded, Hermetic
Mounting:	¼ - 28 Stud (included)
Range:	50g peak
Construction:	Stainless Steel case, electrically isolating from internal connections, up to 500 VAC
Weight:	91g (3.2 oz)

### Optional Accessories

1. Mating Connector P/N 619571-1004
2. Cable assembly P/N 780152-00-XXXX (XXXX indicates length in inches e.g.; 10 ft. cable = 120 inches is P/N 780152-00-0120). Assembly includes mating connector to prepared wire.



### Ordering Information:

When ordering, specify 4-161-0001. Mating connectors and cable assemblies are not furnished and must be ordered separately. In keeping with CEC's policy of continuing product improvement, specifications may be changed without notice. See table below for type numbers and available configurations.

Type	Output	Connection
4-162-1001	0-0.5 ips RMS	Top Connector
4-162-1002	0-1 ips RMS	Top Connector
4-162-1003	0-2 ips RMS	Top Connector
4-162-2001-01	0-0.5 ips RMS	Integral 10 ft. cable
4-162-2002-01	0-1 ips RMS	Integral 10 ft. cable
4-162-2003-01	0-2 ips RMS	Integral 10 ft. cable