



Reve_Vib_011 VIBRATION SENSOR



The vibration velocity transducers Reve_Vib_011 are intended for continuous monitoring of rotating machinery for trending or shutdown.

The rugged, shielded and electrically case isolated allows applications under harsh environmental conditions. The sensors provide a filtered and rectified output signal which is compatible with 4-20 mA current loop. Hence it can be directly connected to standard equipment such as PLCs, panel meters or current relays etc. Additional components/ equipment for sensor supply and signal conditioning is not necessary. The sensor can sense frequency ranging from 10 Hz to 1000 Hz.

Sensor having stainless steel (304 grade) housing and hermitically sealed ETFE Cable. With protection IP65 It provides protection against dust and is ingress resistant. It also provides parallel analog through M12 (BNC) connector for analysis purpose. It's compact Size allows for installation in tight places.

Typical Applications:

- Vibration measurement in the rugged environments of industrial machinery monitoring. It allows continuous -trending of overall machine vibration.
- Vibratin monitoring of Tables and surfaces.
- Vibration monitoring of Racks and Panels.
- Vehicle vibratin monitoring.



Reve_Vib_011 Feature & Highlight

Product Highlight

- Loop Powered Vibration Sensor
- Robust & compact s.s. (304) body
- Simple to install & operate
- Easy to integrate with standard controllers & existing control panels.
- High sensitivity
- Good frequency response
- Excellent linearity
- Shielded construction
- Analog output at(BNC) M12 for Monitoring & Analysis
- Output:4 to 20 mA.
- Withstand high shock

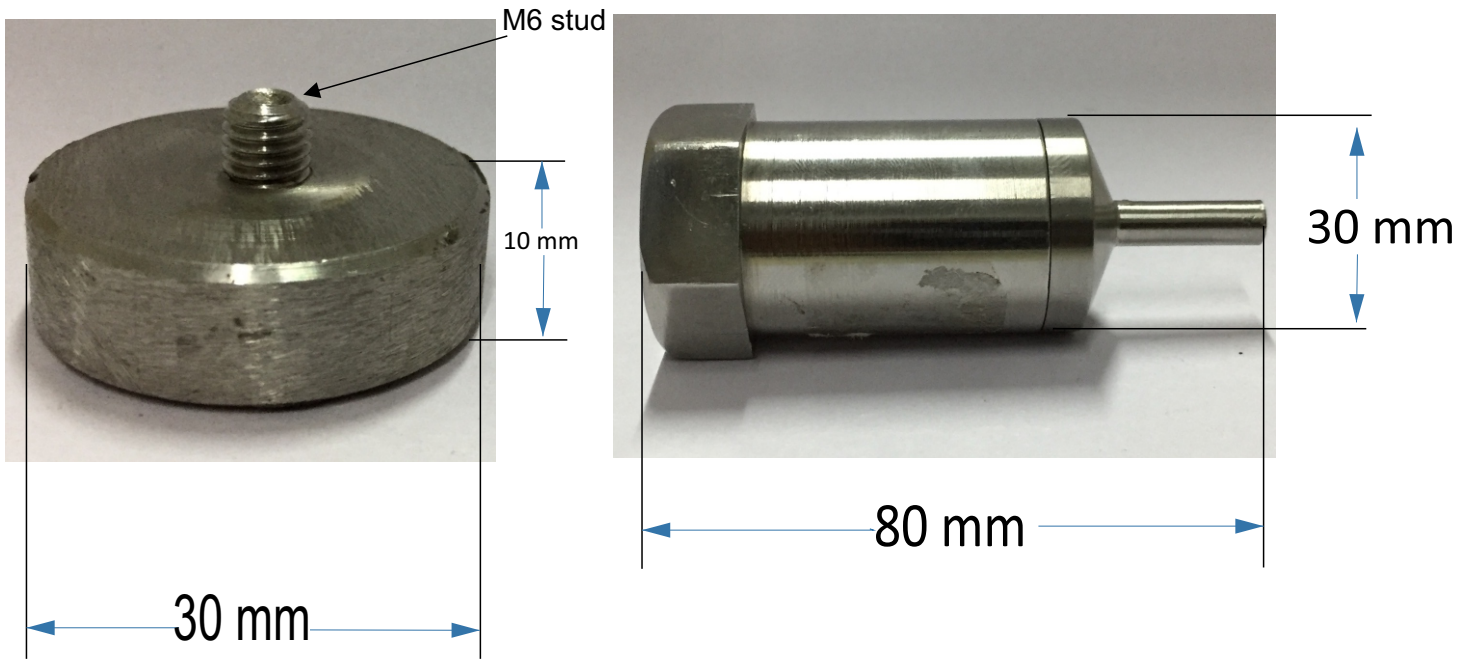
Features

- Working Voltage:12V-32V DC Loop Powered Sensor.
- High immunity against Interference.
- Cost Effective.
- Wide dynamic range 10Hz to 1 Khz.
- Stainless steel Case.
- ETFE Cable have higher tensile strength elongation.

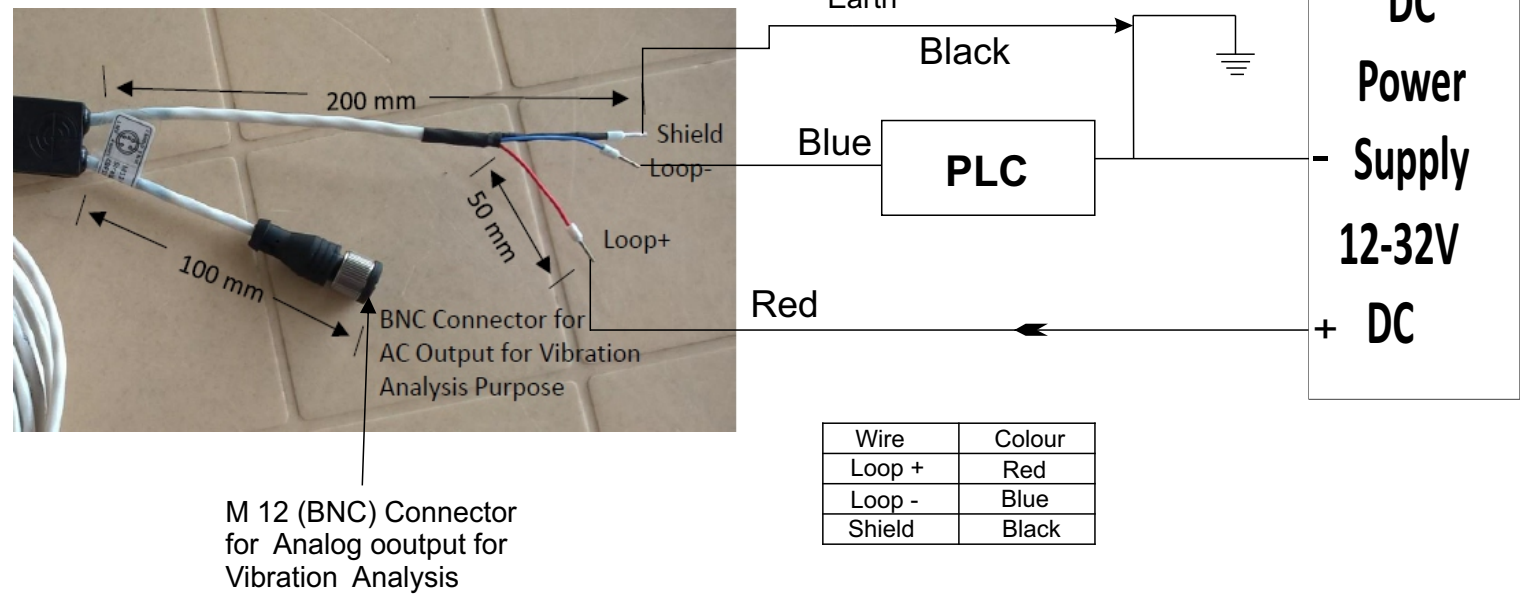
Technical Specifications

Operating Temperature	0° to 70° C
Protection Grade	IP 65
Power(Loop Powered)	12 V. to 32 V.
Sensitivity	100m V/g or better
Frequency Response	10 Hz - 1 Khz
Output(Typically)	4 to 20 mA
Connector Output(Monitoring)	M 12 (BNC)
Case Material	Stainless steel(304 Grade)
Mounting	M6 Tapped hole in base of sensor
Cable Length	10 meter

Dimension And Drawing



Wiring Schematic



The machine/ surface on which the sensor is mounted, must be 'earthed' properly. It is recommended to connect the -ve terminal of voltage to earth potential to minimize interference.