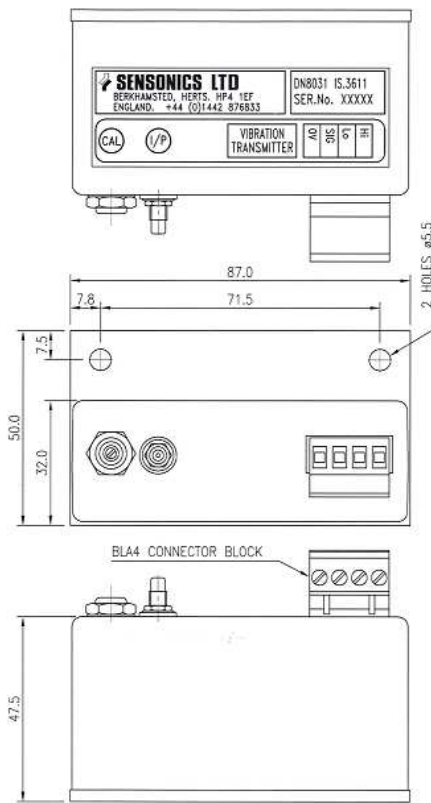


# DN8030 Vibration Transmitter



## Features

- Transmitter for charge output accelerometers
- Direct 4-20mA current loop output
- Signal Analysis point from BNC
- Operates on +24V DC power supply
- Connects direct to PLC/DCS
- Velocity or acceleration vibration measurement
- Din rail mount
- Sealed to IP55

The DN 8030 Vibration transmitter is designed to provide a current output proportional to acceleration or velocity directly from a charge output accelerometer.

The unit operates in conjunction with Sensonics PZP range of accelerometers as well as most 3<sup>rd</sup> party charge output devices.

Instead of utilising rack based hardware with a separate charge amplifier the 8030 integrates the charge amplifier with the transmitter for direct connection to a PLC, DCS or other recording device.

The unit input sensitivity & output range are factory set.

## Specification

Output:	4-20mA dc current loop source
Accuracy:	±1% of FS
Maximum loop resistance:	500 Ohm
Frequency response:	1Hz to 10kHz
Transducer integrity:	Open circuit : 20.4mA Short circuit : 3.6mA
Buffered transducer output:	100mV/g AC coupled
Power supply voltage range:	+16.0V – +28.0V dc
Current consumption:	<40mA
Temperature range:	-10°C to +60°C
Weight:	250 grams

## Ordering Information

### DN8030

#### Transducer Signal Input

- 1 – PZP1 (20pC/g)
- 2 – PZP2 (100pC/g)
- 3 – PZP1 (40pC/g)
- 4 – Other (3<sup>rd</sup> Party)

#### Output Mode

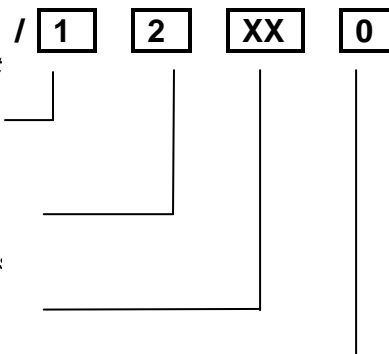
- 1 - g (acceleration)
- 2 - mm/sec (velocity)
- 3 - Inches/sec (velocity):

#### Output Range

0 to XX – please specify

#### Mounting

- 0 - std plate
- 1 - 35mm DIN rail



For details on Sensonics charge output accelerometers that can be used with this transmitter please refer to the following data sheets:

- DS1101 - PZP1 (20 / 40pC/g)
- DS1102 - PZP2 (100pC/g)
- IS0333/x – Low noise cables