

MODEL 2400

4~20mA LOOP POWERED VIBRATION TRANSMITTER

- Made in South Africa
- Low Cost
- Easy Installation
- Robust Construction
- Velocity Measurement
- Internal, Isolated Accelerometer
- Excellent Immunity from EMI

The model 2400 is a two wire loop powered transducer designed to measure vibration in industrial machinery such as fans, blowers, pumps and compressors.

An internally mounted accelerometer is the primary measuring element, the output of which is amplified and integrated to obtain an output proportional to velocity.

This unit has been designed for reliable long term stability and accuracy without the need for periodic maintenance. Every unit comes with a calibration certificate as standard.

The components are encapsulated in a robust stainless steel housing with a single mounting stud. It is available with a variety of connector options, or a moulded cable making it waterproof to 10 metres. A red LED is mounted next to the cable entry. The intensity of the LED increases with increasing vibration and offers a simple way to check operation of the unit.

The accelerometer is isolated from ground making these units suitable for use with PLCs and other instruments where ground loops may be a problem.

For an economically priced stand alone system we recommend the use of the 2400 with our model IQ4 digital indicator which features two set points, programmable start up and trip delays, and optional isolated retransmission.

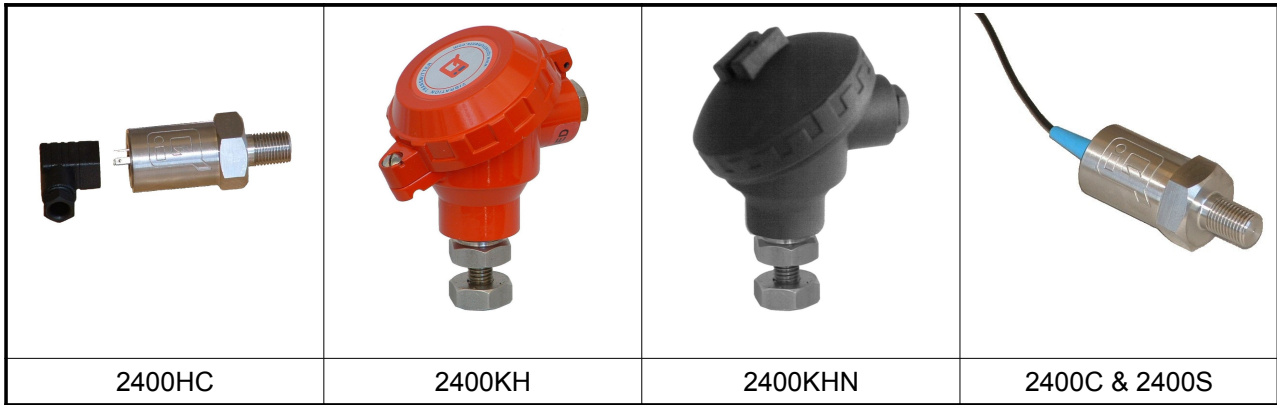


Specifications (subject to change without notice)

Operating Voltage		10 ~ 36VDC
Output Signal		4 ~ 20mA
Range Options (RMS)		0 ~ 5mm/sec 0 ~ 10mm/sec 0 ~ 20mm/sec 0 ~ 25mm/sec
10 ~ 1000Hz		
10 ~ 500Hz		0 ~ 50mm/sec
Amplitude Linearity		± 1% max.
Overall Accuracy		± 5% Typical
Plane of measurement		90° to surface (Z - axis)
Operating Temperature		-5 ~ +65°C
Housing Material	fitting	310 Stainless Steel
	Head (KH)	Cast Aluminium Epoxy Coated
	Head (KHN)	Nylon
Mass	HC & Cable	Approx 200g.
	KH	Approx. 350g.
	KHN	Approx. 320g.
Mounting Options		M8 x 1.25 M12 x 1.75 with locknut M16 x 2.0 with locknut ¼: NPT

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		Part Number				
		2400	xxx	-xxx	-xxx	-x
Code	Description					
HC	Hirschmann Type C					
KH	Cast Aluminium KH head (Powder Coated - Red)					
KHN	Nylon KH head (Black)					
Cx	Standard Moulded Cable (x = length in metres)					
Sx	Cable with SS outer braid (x = length in metres)					
M8C	M8 x 1.25 x 12mm (not for KH or KHN)					
M12C	M12 x 1.75 x 20mm with locknut					
M16C	M16 x 2.0 x 20mm with locknut (KH & KHN only)					
1/4NPT	1/4" NPT x 18mm					
5	0~5mm/sec RMS					
10	0~10mm/sec RMS					
20	0~20mm/sec RMS					
50	0~50mm/sec RMS (10-500Hz or lower filters)					
(blank)	10~1000Hz (standard)					
1	10~500Hz					

Example: **2400C5-M12C-20** = with 5m standard cable, M12x1.75 with locknut, 0-20mm/sec, standard filter

