

Model Number  
**689B01**

# VIBRATION TRANSMITTER

Revision:  
ECN #:

**ELECTRICAL CHARACTERISTICS**

**ENGLISH**

**SI**

Vibration Range	0.0 - 0.1/Sens in/sec pk	0,0 - 2,54/Sens mm/sec pk	[1]
Current Output	4 - 20 mA	4 - 20 mA	
Frequency Response (±3 dB)	300 - 600,000 cpm	300 - 600 000 cpm	[2]
Excitation Current	4 mA	4 mA	
Excitation Voltage	18 VDC	18 VDC	[3]
Maximum Load Resistance	700 ohms	700 ohms	
Sensor Fault	<1 mA	<1,0 mA	

**ENVIRONMENTAL CHARACTERISTICS**

Temperature Range	-40 to +150 °F	-40 to +66 °C	
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**POWER REQUIREMENTS**

Voltage	20 to 30 VDC	20 to 30 VDC	
Current	60 mA	60 mA	

**PHYSICAL CHARACTERISTICS**

Input Connector	Terminal Strip	Terminal Strip	
Power Connector	Terminal Strip	Terminal Strip	
Velocity Output (4-20 mA)	Terminal Strip	Terminal Strip	
Acceleration Output (analog)	Terminal Strip	Terminal Strip	
Acceleration Output (analog)	BNC Jack	BNC Jack	

**ENCLOSURE**

Size	5.25 x 2.65 x 1.70 in	133 x 67 x 43 mm	
Material	Die Cast Aluminum	Die Cast Aluminum	
Finish	Baked Blue Enamel	Baked Blue Enamel	

**OPTIONAL VERSIONS**

Optional versions have identical specifications and accessories as listed for the standard model except where noted below. More than one option may be used.

**-None-**

**NOTES:**

- [1] **Sens** denotes Voltage Sensitivity in V/g of ICP® Accelerometer used.
- [2] 1 Hz = 60 cpm (cycles per minute).
- [3] If unit is used in conjunction with a sensor having a bias over 13 VDC, full scale output may be affected or sensor may not power up.

**SUPPLIED ACCESSORIES:**

None

*All specifications are at room temperature unless otherwise specified.*

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*In the interest of constant product improvement, we reserve the right to change specifications without notice.*

Drawn:	Engineer:	Sales:	Approved:	Spec Number:
Date:	Date:	Date:	Date:	8141



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