# Bently Nevada 200350&200355 Series Service Manual

200355-12-00-00

## 1. Description

"""Manufacturer : Bently Nevada

## 3. Product Information

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Product No. :200355-12-00-00

Product type : 200350 Accelerometers

Made in U.S.A

Mounting Stud :12= M8x1.25 Adhesive Stud Mount

Tolerance : 00 = 100 mV/g ± 20%

Agency Approvals Option :  00 =No Approvals

Hex Size : 11/16” (1.8 cm)

Height : 1.65” (4.24 cm)

Weight : 0.051 Kg

Sensitivity 100 mv/g±20% (10.2 mV/m/s^2 ±20%)

Frequency Range cpm (±3 dB)  30-600,000 (0.5-10,000Hz)

Measurement Range ±50g

Transverse ≤7%

Amplitude Linearity ±1%

Mounted Resonant 1500 kcpm

Frequency (25 kHz)

Broadband Electrical Noise (1-10kHz)350 µg  (3,434 µm/s2)

Output Bias Voltage 8 to 12 VDC

Excitation Voltage18 to 28 VDC

Constant Current Excitation2 to 20 mA

Settling Time (within 1% of bias)2.0 sec

Output Impedance<150 ohms

Discharge Time Constant≥0.3 sec

Electrical Isolation (Case)>108 ohms

Operating

Temperature Range

-65°F to +250 ºF

(-54°C to +121 ºC)

Shock Survivability 5,000 g pk

Relative Humidity 100% relative, condensing, non-submerged

Enclosure Rating IP68

Mounting Thread 1/4-28 Female

Mounting Torque (Maximum) 2 to 5 ft-lb (2.7 to 6.8 N-m)

Sensing Element Ceramic

Sensing Geometry Shear

Housing Material Stainless Steel

Sealing Welded Hermetic

Electrical Connector 2-Pin Mil-C-5015

Electrical Connection Position Top

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