

Bently Nevada 990-10-70-02-00

Manufacturer : Bently Nevada

Product No. : 990-10-70-02-00

Product Type : 990 Vibration Transmitter

Made in U.S.A

Full-scale Option : 10 0-10 mils pp (0-250 μ m pp)

System Length Option : 70 7.0 meters (23.0 feet)

Mounting Option : 02 Bulkhead screws

Agency Approval Option : 00 Not required



Input : Accepts 1 non-contacting 3300 NSv Proximity Probe and extension cable.

Power : Requires +12 to +35 Vdc input at the transmitter terminal.

Maximum Loop Resistance : 1,000 Ω including cable at 35 Vdc.

Current Limiting : 23 mA typical.

Transmitter

weight 0.43 kg (0.9 lbm).

Input

Accepts 1 non-contacting 3300

NSv Proximity Probe and

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extension cable.

Power Requires +12 to +35 Vdc input at the transmitter terminal.

4 to 20 mA

signal output

4 to 20 mA_{dc} over specified fullscale range in 2-wire configuration.

4 to 20 mA loop

accuracy

Within $\pm 1.5\%$ over specified fullscale range. Accuracy is rated from the TEST signal input to the voltage measured across a 250 Ω loop resistance. The $\pm 1.5\%$ error is in addition to the Prox Out Incremental Scale Factor.

Probe gap

Probe must be gapped between 0.5 and 1.75 mm (20 and 55 mils) from target to ensure full scale range.

Maximum loop resistance 1,000 Ω including cable at 35 Vdc.

Current limiting 23 mA typical.

Zero and span

Non-interacting external adjustments.

NOT OK/signal defeat

Signal output will go to less than 3.6 mA within 100 μ s after a Not OK condition occurs. Signal output is restored within 2-3 seconds after the Not OK condition is removed.

Frequency response

5 Hz to 6,000 Hz +0, 3 dB.

Minimum

target size 9.5 mm (0.375 in) diameter.

Leadwire

length

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Maximum for Proximity Sensor
Output (BNC connector),
maximum cable distance is 3
meters (10 feet).
NonHazardous,
Zone 2 or Div 2
Hazardous
area locations
Power Supply: 28 V



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