Bently Nevada 990-10-70-01-01 Manual

Brand	Bently Nevada
Product Series	991&990
Product Type	990 Vibration Transmitter

Description

Manufacturer : Bently Nevada

Product No. : 990-10-70-01-01

Product Type : 990 Vibration Transmitter

Made in U.S.A

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

System Length Option : 70 7.0 meters (23.0 feet)

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Mounting Option : 01 35 mm DIN rail clips

Agency Approval Option : 01 CSA Division 2

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

extension cable.
Power Requires +12 to +35 Vdc input at
the transmitter terminal.
4 to 20 mA
signal output
4 to 20 mAdc over specified fullscale range in 2-wire
configuration.
4 to 20 mA loop
accuracy
Within ±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 ±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.
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NOT OK/signal
defeat
Signal output will go to less than
3.6 mA within 100 µs 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
Maximum for Proximitor 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