

INDUSTRIAL AUTOMATION PRODUCT

990-05-XX-01-05 MOD:165335-10

990 two-wire vibration transmitter

Radial vibration converted to a 4 to 20 mA loop signal

IDENTITY	VERIFIED VALUE
Manufacturer	Bently Nevada
System family	990 vibration transmitter system
Part number	990-05-XX-01-05 MOD:165335-10

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Technical Specifications

Technical values below are limited to the named Bently Nevada product record.

PARAMETER	TECHNICAL VALUE
Complete model	990-05-XX-01-05 MOD:165335-10
Manufacturer	Bently Nevada
Product family	990 vibration transmitter system
Full-scale range	0 to 5 mils peak-to-peak (0 to 125 um peak-to-peak)
System-length code	XX; modified configuration
Mounting	35 mm DIN rail clips
Agency approval	Multiple approvals
MOD identity	165335-10
Supply	+12 to +35 V DC
Process output	4 to 20 mA
Input system	3300 NSv proximity transducer system
Frequency response	5 Hz to 6 kHz, +0/-3 dB
Loop accuracy	+/-1.5%

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System Role and Architecture

Radial vibration converted to a 4 to 20 mA loop signal

FUNCTION 1

Uses the 0 to 5 mil full-scale range

FUNCTION 2

Provides a two-wire 4 to 20 mA output

FUNCTION 3

Mounts on 35 mm DIN rail clips

FUNCTION 4

Retains MOD 165335-10

Matched system components

- 990 vibration transmitter system
- documented companion hardware
- approved field wiring or cabling
- monitoring-system configuration record

SYSTEM INTEGRATION RECORD

INTEGRATION ITEM	DOCUMENTED ROLE
Installed host / carrier	990 vibration transmitter system
Companion hardware	documented companion hardware
Field connection	approved field wiring or cabling
Primary system function	Uses the 0 to 5 mil full-scale range
Controlled acceptance duty	Continuous machinery monitoring

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Applications and Engineering Context

Continuous machinery monitoring

Uses the 0 to 5 mil full-scale range

Alarm integration

Provides a two-wire 4 to 20 mA output

Diagnostic review

Mounts on 35 mm DIN rail clips

Documented system renewal

Retains MOD 165335-10

TECHNICAL NOTE

Treat XX and MOD 165335-10 as controlled modified identities; do not infer a standard system length.

MODEL-SPECIFIC ACCEPTANCE EVIDENCE

CHECK	ACCEPTANCE CONDITION
Identity	990-05-XX-01-05 MOD:165335-10 / 990-05-XX-01-05 MOD:165335-10 recorded
Physical interface	990 vibration transmitter system
Companion check	documented companion hardware
Functional proof	Uses the 0 to 5 mil full-scale range
Application test	Continuous machinery monitoring

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Engineering Precautions

- 1 Verify the complete 990-05-XX-01-05 MOD:165335-10 marking and the assigned 990 vibration transmitter system position before work.
- 2 Place the connected machinery and monitoring channel in the approved maintenance state before handling 990-05-XX-01-05 MOD:165335-10.
- 3 Isolate every documented supply and field circuit before disconnecting 990-05-XX-01-05 MOD:165335-10.
- 4 Record the installed connectors, conductors, cable routing and configuration associated with 990-05-XX-01-05 MOD:165335-10.
- 5 Use ESD controls and protect exposed connectors, cable ends and keyed interfaces while handling 990-05-XX-01-05 MOD:165335-10.

RELATED PRODUCTS ON APTER POWER

MODEL	SYSTEM ROLE	APTER POWER PAGE
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MANUFACTURER SOURCE RECORD

990 Vibration Transmitter Datasheet

141612 Rev. Y

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