

990-10-XX-01-CN MOD:167541-01

990 two-wire vibration transmitter

Radial vibration converted to a 4 to 20 mA loop signal

PRODUCT SNAPSHOT

BRAND

Bently Nevada

FAMILY

990 vibration transmitter system

PART

990-10-XX-01-CN MOD:167541-01

PRODUCT TYPE

990 two-wire vibration transmitter

APTER POWER SALES TEAM

WHATSAPP / PHONE

+86 180 3023 5313

EMAIL

sales13@apterpower.com

WEBSITE

www.apterpower.com



PRODUCT OVERVIEW

Radial vibration converted to a 4 to 20 mA loop signal

1

Uses the 0 to 10 mil full-scale range

2

Provides a two-wire 4 to 20 mA output

3

Mounts on 35 mm DIN rail clips

4

Retains MOD 167541-01 and CN suffix

SYSTEM COMPONENTS

990 vibration transmitter system

documented companion hardware

approved field wiring or cabling

monitoring-system configuration record

TECHNICAL NOTE

Treat XX, CN and MOD 167541-01 as controlled modified identities; verify the exact installed approval and system length.

TECHNICAL DATA

PARAMETER	VALUE
Complete model	990-10-XX-01-CN MOD:167541-01
Manufacturer	Bently Nevada
Product family	990 vibration transmitter system
Full-scale range	0 to 10 mils peak-to-peak (0 to 250 um peak-to-peak)
System-length code	XX; modified configuration
Mounting	35 mm DIN rail clips
Country-specific suffix	CN

PARAMETER	VALUE
MOD identity	167541-01
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%

ENGINEERING NOTE

Treat XX, CN and MOD 167541-01 as controlled modified identities; verify the exact installed approval and system length.

RELATED PRODUCTS ON APTER POWER

MODEL	SYSTEM ROLE	APTER POWER PAGE
Bently Nevada 146054 14 10 02 00	Related Bently Nevada machinery-monitoring product	View Bently Nevada 146054 14 10 02 00 page
Bently Nevada 21000 34 05 00 040 03 02	Related Bently Nevada machinery-monitoring product	View Bently Nevada 21000 34 05 00 040 03 02 page
Bently Nevada 21000 32 05 00 038 03 02	Related Bently Nevada machinery-monitoring product	View Bently Nevada 21000 32 05 00 038 03 02 page
Bently Nevada 21000 34 05 00 036 03 02	Related Bently Nevada machinery-monitoring product	View Bently Nevada 21000 34 05 00 036 03 02 page
Bently Nevada 21000 34 05 00 022 03 02	Related Bently Nevada machinery-monitoring product	View Bently Nevada 21000 34 05 00 022 03 02 page
Bently Nevada 21000 28 05 40 028 04 02	Related Bently Nevada machinery-monitoring product	View Bently Nevada 21000 28 05 40 028 04 02 page
Bently Nevada 21000 00 00 15 226 03 02	Related Bently Nevada machinery-monitoring product	View Bently Nevada 21000 00 00 15 226 03 02 page
Bently Nevada 21000 16 10 00 167 04 02	Related Bently Nevada machinery-monitoring product	View Bently Nevada 21000 16 10 00 167 04 02 page

APPLICATIONS & PRECAUTIONS

COMMON APPLICATIONS

Continuous machinery monitoring

Uses the 0 to 10 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 167541-01 and CN suffix

PRODUCT PRECAUTIONS

- 1 Verify the complete 990-10-XX-01-CN MOD:167541-01 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 990-10-XX-01-CN MOD:167541-01.
- 3 Isolate every documented supply and field circuit before disconnecting 990-10-XX-01-CN MOD:167541-01.
- 4 Record the installed connectors, conductors, cable routing and configuration associated with 990-10-XX-01-CN MOD:167541-01.
- 5 Use ESD controls and protect exposed connectors, cable ends and keyed interfaces while handling 990-10-XX-01-CN MOD:167541-01.
- 6 Confirm the documented companion hardware and ordering options for 990-10-XX-01-CN MOD:167541-01 before energizing.
- 7 Restore power in a controlled sequence and review monitor, rack and host diagnostics for 990-10-XX-01-CN MOD:167541-01.
- 8 Complete a controlled functional test and retain the final acceptance record for 990-10-XX-01-CN MOD:167541-01.

ENGINEER FAQ

Q1 What full-scale range is specified for 990-10-XX-01-CN MOD:167541-01?

For 990-10-XX-01-CN MOD:167541-01, the documented full-scale range is 0 to 10 mils peak-to-peak (0 to 250 um peak-to-peak).

Q2 What system-length code is specified for 990-10-XX-01-CN MOD:167541-01?

For 990-10-XX-01-CN MOD:167541-01, the documented system-length code is XX; modified configuration.

Q3 What mounting is specified for 990-10-XX-01-CN MOD:167541-01?

For 990-10-XX-01-CN MOD:167541-01, the documented mounting is 35 mm DIN rail clips.

Q4 What country-specific suffix is specified for 990-10-XX-01-CN MOD:167541-01?

For 990-10-XX-01-CN MOD:167541-01, the documented country-specific suffix is CN.

Q5 What mod identity is specified for 990-10-XX-01-CN MOD:167541-01?

For 990-10-XX-01-CN MOD:167541-01, the documented mod identity is 167541-01.

Q6 What supply is specified for 990-10-XX-01-CN MOD:167541-01?

For 990-10-XX-01-CN MOD:167541-01, the documented supply is +12 to +35 V DC.

Q7 How is 990-10-XX-01-CN MOD:167541-01 used in the documented 990 vibration transmitter system?

It is used in the 990 vibration transmitter system to provide radial vibration converted to a 4 to 20 ma loop signal.

Q8 What must be confirmed during final acceptance of 990-10-XX-01-CN MOD:167541-01?

Confirm the exact ordering identity, documented companion hardware, restored field connections and a controlled functional test of the 990 vibration transmitter system before service release.

SOURCE 990 Vibration Transmitter Datasheet | 141612 Rev. Y

+86 180 3023 5313 | sales13@apterpower.com | www.apterpower.com