

APTER POWER FIELD WORKBOOK

INSTALLATION | APPLICATION | VERIFICATION

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

990 two-wire vibration transmitter

CONTROLLED ENGINEERING COPY

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

INSTALLATION IDENTITY	REQUIRED VALUE
Complete model	990-10-XX-01-CN MOD:167541-01
Manufacturer part	990-10-XX-01-CN MOD:167541-01
Hardware type	990-10-XX-01-CN MOD:167541-01
System family	990 vibration transmitter system



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01 PRE-INSTALLATION PLAN

- 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.

MATCHED HARDWARE

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

INSTALLATION CONTROL RECORD

CONTROL ITEM	REQUIRED RECORD
Identity	990-10-XX-01-CN MOD:167541-01 / 990-10-XX-01-CN MOD:167541-01 recorded
Physical interface	990 vibration transmitter system
Companion check	documented companion hardware
Functional proof	Uses the 0 to 10 mil full-scale range
Application test	Continuous machinery monitoring

02 WIRING & INTERFACE CHECKS

CHECK ITEM	REQUIRED 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
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%

FIELD NOTE

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

03 COMMISSIONING WORKFLOW



COMMISSIONING ACCEPTANCE EVIDENCE

EVIDENCE ITEM	ACCEPTANCE CONDITION
Identity	990-10-XX-01-CN MOD:167541-01 / 990-10-XX-01-CN MOD:167541-01 recorded
Physical interface	990 vibration transmitter system
Companion check	documented companion hardware
Functional proof	Uses the 0 to 10 mil full-scale range
Application test	Continuous machinery monitoring

04 RETURN-TO-SERVICE RECORD

- ☐ Confirm the documented companion hardware and ordering options for 990-10-XX-01-CN MOD:167541-01 before energizing.
- ☐ Restore power in a controlled sequence and review monitor, rack and host diagnostics for 990-10-XX-01-CN MOD:167541-01.
- ☐ Complete a controlled functional test and retain the final acceptance record for 990-10-XX-01-CN MOD:167541-01.
- ☐ Confirm the intended process response before normal operation.

VERIFICATION RECORD

PRODUCT IDENTITY	990-10-XX-01-CN MOD:167541-01
INSTALLED POSITION	Documented 990 vibration transmitter system position
VERIFICATION METHOD	Controlled inspection and functional test
RELEASE RECORD	Final diagnostic state retained before service

RELATED PRODUCTS ON APTER POWER

MODEL	SYSTEM ROLE	APTER POWER PAGE
Bently Nevada 330180 X1 05 MOD 145655 09	Related Bently Nevada machinery-monitoring product	View Bently Nevada 330180 X1 05 MOD 145655 09 page
Bently Nevada 200350 02 00 00	Related Bently Nevada machinery-monitoring product	View Bently Nevada 200350 02 00 00 00 page
Bently Nevada 168209 0317 127 90 05 01	Related Bently Nevada machinery-monitoring product	View Bently Nevada 168209 0317 127 90 05 01 page
Bently Nevada 143493 00 080 080 70 00	Related Bently Nevada machinery-monitoring product	View Bently Nevada 143493 00 080 080 70 00 page
Bently Nevada 21501 00 16 05 02	Related Bently Nevada machinery-monitoring product	View Bently Nevada 21501 00 16 05 02 page
Bently Nevada 330180 X1 05 MOD 143416 02	Related Bently Nevada machinery-monitoring product	View Bently Nevada 330180 X1 05 MOD 143416 02 page
Bently Nevada 330901 05 55 05 11 05	Related Bently Nevada machinery-monitoring product	View Bently Nevada 330901 05 55 05 11 05 page
Bently Nevada 74712 01 10 02 00	Related Bently Nevada machinery-monitoring product	View Bently Nevada 74712 01 10 02 00 page

SOURCE IDENTIFIERS

990 Vibration Transmitter Datasheet
141612 Rev. Y

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