

APTER POWER FIELD WORKBOOK

INSTALLATION | APPLICATION | VERIFICATION

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

990 two-wire vibration transmitter

CONTROLLED ENGINEERING COPY

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

INSTALLATION IDENTITY	REQUIRED VALUE
Complete model	990-05-XX-01-05 MOD:165335-10
Manufacturer part	990-05-XX-01-05 MOD:165335-10
Hardware type	990-05-XX-01-05 MOD:165335-10
System family	990 vibration transmitter system



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01 PRE-INSTALLATION PLAN

- 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.

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	990-05-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

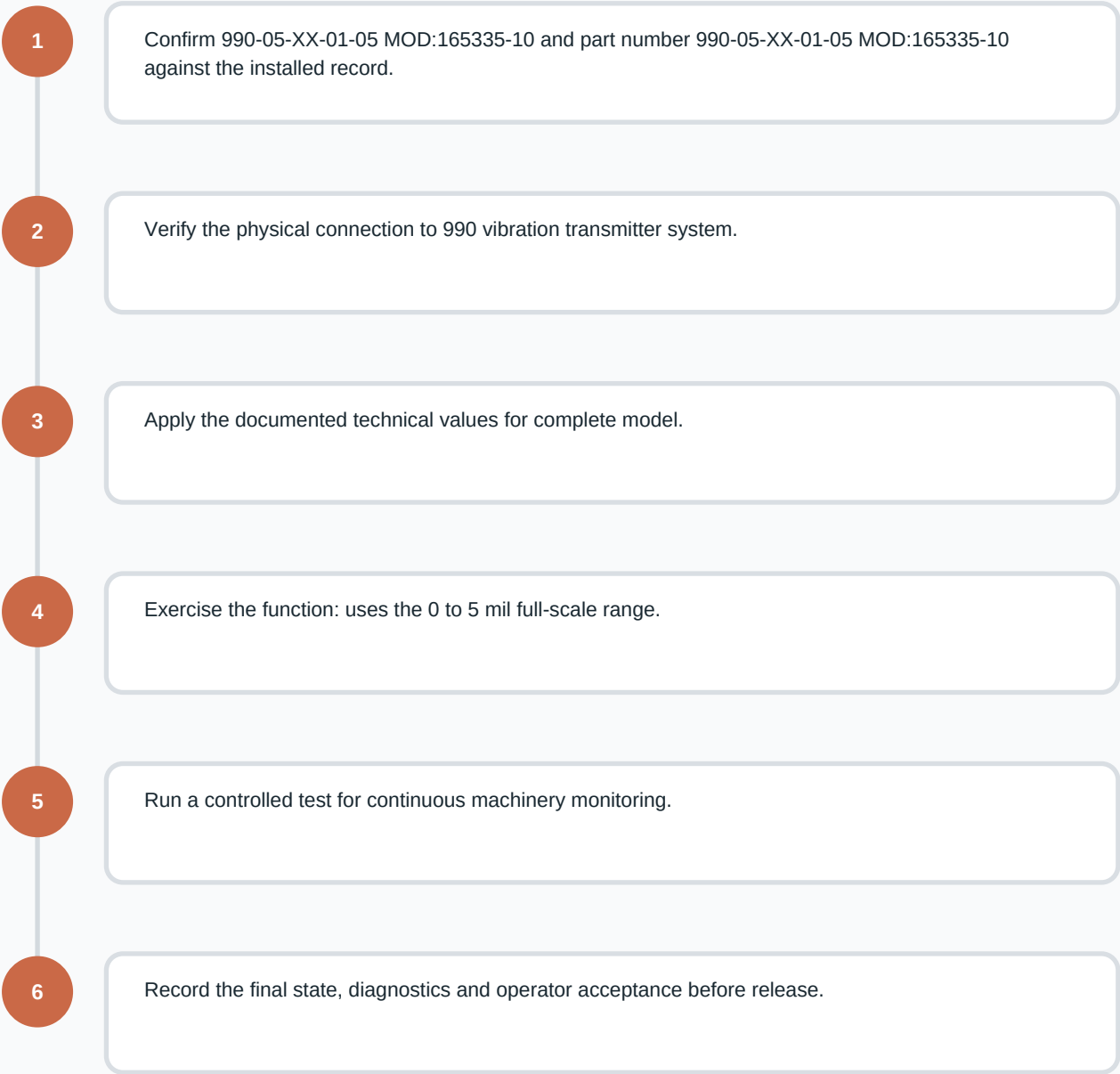
02 WIRING & INTERFACE CHECKS

CHECK ITEM	REQUIRED 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%

FIELD NOTE

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

03 COMMISSIONING WORKFLOW



COMMISSIONING ACCEPTANCE EVIDENCE

EVIDENCE ITEM	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

04 RETURN-TO-SERVICE RECORD

- ☐ Confirm the documented companion hardware and ordering options for 990-05-XX-01-05 MOD:165335-10 before energizing.
- ☐ Restore power in a controlled sequence and review monitor, rack and host diagnostics for 990-05-XX-01-05 MOD:165335-10.
- ☐ Complete a controlled functional test and retain the final acceptance record for 990-05-XX-01-05 MOD:165335-10.
- ☐ Confirm the intended process response before normal operation.

VERIFICATION RECORD

PRODUCT IDENTITY	990-05-XX-01-05 MOD:165335-10
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 990 05 XX 01 00 MOD 289549 17	Related Bently Nevada machinery-monitoring product	View Bently Nevada 990 05 XX 01 00 MOD 289549 17 page
Bently Nevada 330180 X2 05 MOD 163358 02	Related Bently Nevada machinery-monitoring product	View Bently Nevada 330180 X2 05 MOD 163358 02 page
Bently Nevada 200150 14 CN	Related Bently Nevada machinery-monitoring product	View Bently Nevada 200150 14 CN page
Bently Nevada 200151 20 03 00	Related Bently Nevada machinery-monitoring product	View Bently Nevada 200151 20 03 00 page
Bently Nevada 200151 60 03 00	Related Bently Nevada machinery-monitoring product	View Bently Nevada 200151 60 03 00 page
Bently Nevada 330902 00 90 10 01 05	Related Bently Nevada machinery-monitoring product	View Bently Nevada 330902 00 90 10 01 05 page
Bently Nevada 330102 00 52 10 01 05	Related Bently Nevada machinery-monitoring product	View Bently Nevada 330102 00 52 10 01 05 page
Bently Nevada 330702 00 25 10 11 05	Related Bently Nevada machinery-monitoring product	View Bently Nevada 330702 00 25 10 11 05 page

SOURCE IDENTIFIERS

990 Vibration Transmitter Datasheet
141612 Rev. Y

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