

330878-X1-00-MOD-177889-01

Modified 3300 XL 50 mm Proximitior Sensor

CONTROLLED ENGINEERING COPY

Bently Nevada 330878-X1-00-MOD-177889-01 identifies a modification-controlled 3300 XL 50 mm Proximitior Sensor. X1 and MOD 177889-01 are not decoded in the current public standard ordering table, so the complete nameplate and factory modification record govern the exact build.

INSTALLATION IDENTITY	REQUIRED VALUE
Complete model	330878-X1-00-MOD-177889-01
Manufacturer	Bently Nevada
System family	Bently Nevada 3300 XL 50 mm
Record scope	Installation, application and verification

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01 PRE-INSTALLATION PLAN

- 1

Confirm the complete 330878-X1-00-MOD-177889-01 nameplate and factory record.
- 2

Place the turbine and monitoring channel in the approved maintenance state.
- 3

Isolate monitor power and record bias, polarity, scaling and alarms.
- 4

Record the actual total system length, mounting and every matched component.
- 5

Protect ClickLoc connections and maintain the 25.4 mm bend radius.

MATCHED HARDWARE

- 330878-X1-00-MOD-177889-01 with complete nameplate identity
- Matched host, rack or transducer system
- Recorded cable, terminal and connector schedule
- Approved grounding, shielding and configuration record

INSTALLATION CONTROL RECORD

CONTROL ITEM	REQUIRED RECORD
Identity	330878-X1-00-MOD-177889-01 recorded
Physical interface	Probe, cable and sensor matched
Functional proof	Static gap and dynamic response

02 WIRING & INTERFACE CHECKS

CHECK ITEM	REQUIRED VALUE
Base product family	330878 3300 XL 50 mm Proximito Sensor
Special execution	X1 / MOD 177889-01 - verify nameplate and factory record
Approval position	00
Accepted input	One 3300 XL 50 mm probe and extension cable
Nominal linear range	27.9 mm
Range interval	Approximately 1.3 to 29.2 mm from target
Average scale factor	394 mV/mm nominal
Supply without barriers	-17.5 to -26 Vdc, 12 mA maximum
Supply with barriers	-23 to -26 Vdc
Output resistance	50 ohm
Field wiring	16 to 24 AWG three-conductor shielded triad recommended
Minimum flat target	102 mm diameter
Factory target	AISI 4140 steel

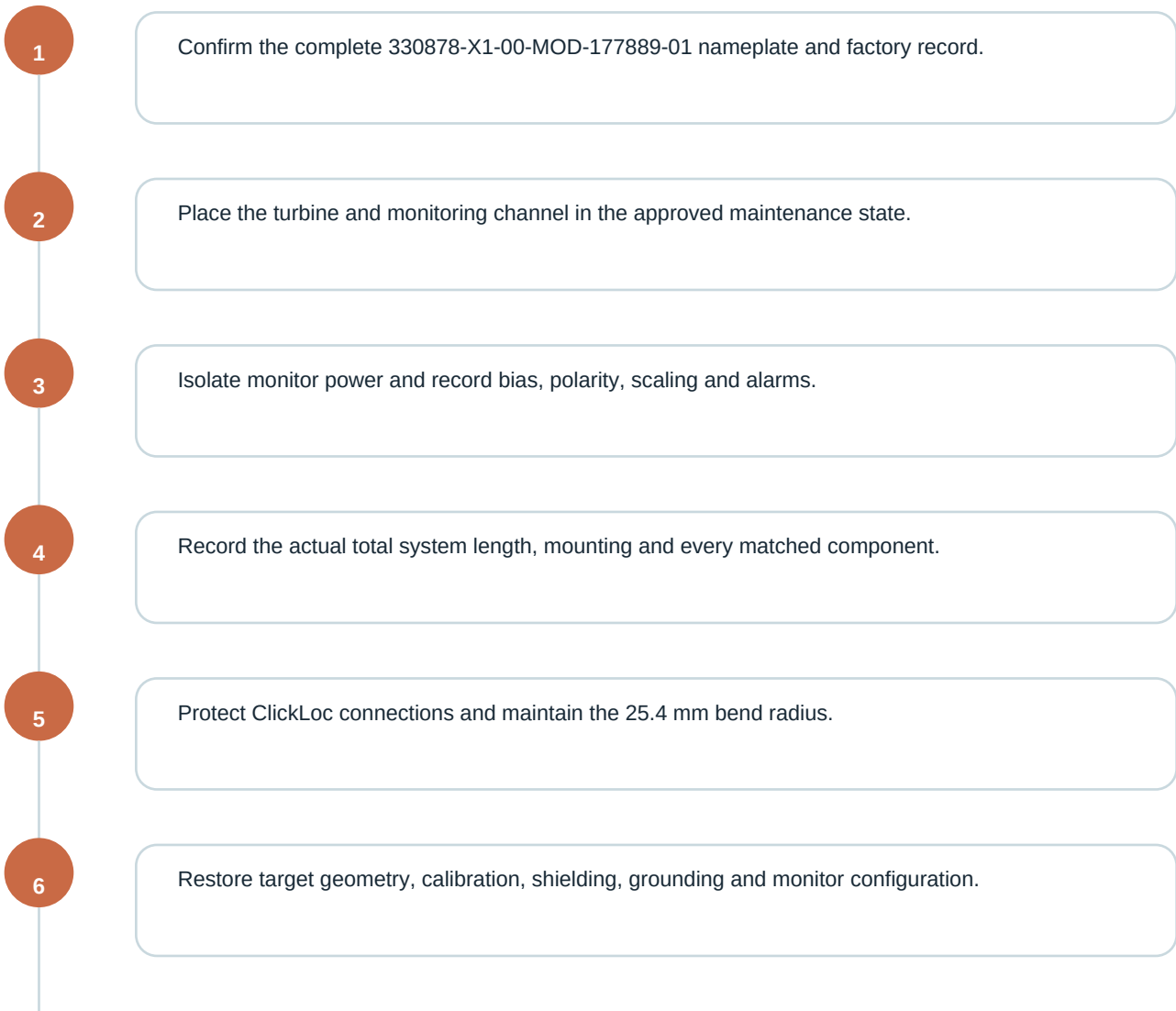
RELATED GE PRODUCT PAGES

1 Bently Nevada 330130-080-00-00	2 Bently Nevada 330180-50-00	3 Bently Nevada 3500-25-149369-01-135473-01
4 Bently Nevada 3500-40m-176449-01	5 Bently Nevada 3500-42m-176449-02	6 Bently Nevada 3500-45-176449-04
7 General Electric ic693chs398	8 Bently Nevada 330105-02-12-10-02-05	9 Bently Nevada 330106-05-30-10-02-05

FIELD NOTE

Treat X1 and MOD 177889-01 as a special configuration. Do not decode X1 as a standard 50/51/90/91 option or substitute a standard 330878. Confirm the complete nameplate, factory modification record, total electrical length, mounting, calibration target and monitor scaling.

03 COMMISSIONING WORKFLOW



COMMISSIONING ACCEPTANCE EVIDENCE

EVIDENCE ITEM	ACCEPTANCE CONDITION
Identity	330878-X1-00-MOD-177889-01
Physical interface	Exact identity, installed position and every connected interface matched
Configuration	Recorded hardware and software configuration restored
Functional proof	Diagnostics and controlled functional response recorded

04 RETURN-TO-SERVICE RECORD

- ☐ Protect ClickLoc connections and maintain the 25.4 mm bend radius.
- ☐ Restore target geometry, calibration, shielding, grounding and monitor configuration.
- ☐ Review live bias and diagnostics after controlled energization.
- ☐ Traverse the documented range and record scale, polarity and alarm response before release.

VERIFICATION RECORD

PRODUCT IDENTITY	330878-X1-00-MOD-177889-01
INSTALLED POSITION	Documented installed system position
VERIFICATION METHOD	Controlled inspection and functional test
RELEASE RECORD	Final diagnostic state retained before service

FUNCTIONAL ACCEPTANCE CHECKLIST

- ☐ Confirm the exact model remains assigned to the documented host position.
- ☐ Verify every mating interface and field connection against the as-found record.
- ☐ Exercise the intended product function under controlled conditions.
- ☐ Retain the diagnostic and functional-test result before release.

SOURCE IDENTIFIERS

3300 XL 50 mm Proximity Transducer System Datasheet | Bently Nevada publication 174014 Rev. L; special build requires factory MOD record