

330850-91-00

3300 XL 25 mm Proximito Sensor, 9 m DIN Mount

CONTROLLED ENGINEERING COPY

Bently Nevada 330850-91-00 is a 3300 XL 25 mm Proximito Sensor for a 9.0 m system, DIN-rail mounting and approval option 00.

INSTALLATION IDENTITY	REQUIRED VALUE
Complete model	330850-91-00
Manufacturer	Bently Nevada
System family	Bently Nevada 3300 XL 25 mm
Record scope	Installation, application and verification

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01 PRE-INSTALLATION PLAN

- 1

Confirm 330850-91-00 and the 9 m DIN-mount/no-approval ordering codes.
- 2

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

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

Confirm probe plus extension cable equals the 9 m system length.
- 5

Protect ClickLoc/coaxial connections and preserve shielding and grounding.

MATCHED HARDWARE

- 330850-91-00 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	330850-91-00 recorded
Physical interface	Probe, cable and sensor matched
Functional proof	Static gap and dynamic response

02 WIRING & INTERFACE CHECKS

CHECK ITEM	REQUIRED VALUE
Product family	3300 XL 25 mm Proximitior Sensor
System length	9.0 m
Mounting	DIN rail
Approval option	00 - no approvals
Accepted input	One 3300 XL 25 mm probe and extension cable
Supply without barriers	-17.5 to -26 Vdc, 12 mA maximum
Supply with barriers	-23 to -26 Vdc
Output resistance	50 ohm
Linear range	12.7 mm
Linear-range interval	0.63 to 13.33 mm from target
Average scale factor	0.787 V/mm nominal
Best-fit deviation	Less than +/-0.31 mm
Field wiring	16 to 24 AWG three-conductor shielded triad recommended

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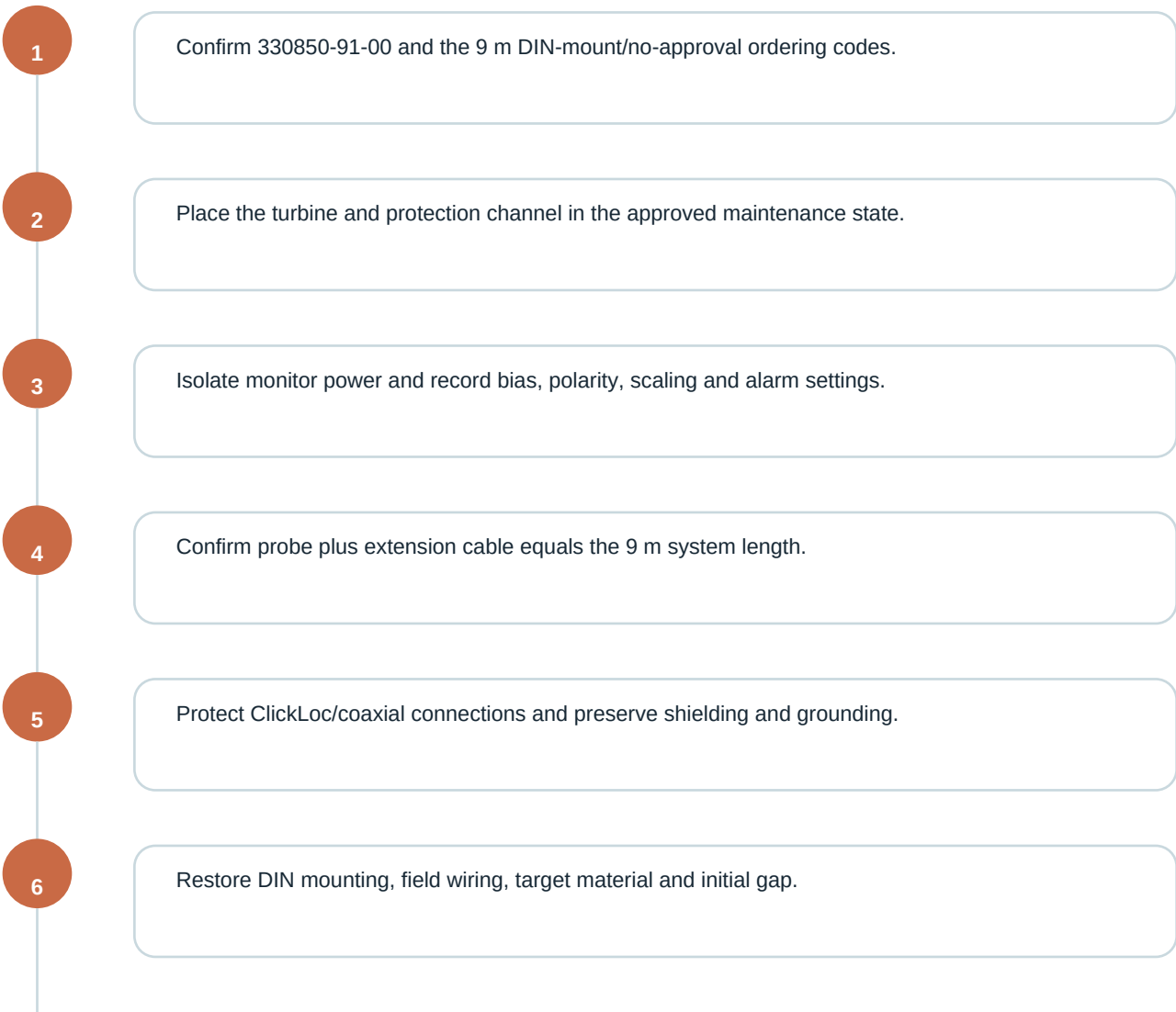
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FIELD NOTE

Use 330850-91-00 only with a matched 9 m 3300 XL 25 mm probe/extension-cable chain and DIN mounting. Option 00 is no approvals. Confirm target material, gap, polarity, shield and monitor scaling before release.

03 COMMISSIONING WORKFLOW



COMMISSIONING ACCEPTANCE EVIDENCE

EVIDENCE ITEM	ACCEPTANCE CONDITION
Identity	330850-91-00
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/coaxial connections and preserve shielding and grounding.
- ☐ Restore DIN mounting, field wiring, target material and initial gap.
- ☐ Review bias and channel diagnostics after controlled energization.
- ☐ Traverse the documented range and record scale, polarity and alarm response before release.

VERIFICATION RECORD

PRODUCT IDENTITY	330850-91-00
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 25 mm Proximity Transducer System Datasheet | Bently Nevada publication 163236 Rev. L