

INSTALL / VERIFY | CONFIGURATION PLAN

330104-00-10-10-02-00

3300 XL 8 mm Metric Armored Proximity Probe

Use this workbook with the approved 3300 XL installation drawing and manufacturer source document. Record the complete probe code, matched system and installed gap before work.

EXACT CONFIGURATION

Bently Nevada 330104-00-10-10-02-00 is a 3300 XL 8 mm metric armored proximity probe for non-contact radial vibration and position measurement in a matched 3300 XL transducer svstem.

SYSTEM ROLE

The 3300 XL 8 mm probe provides a non-contact eddy-current signal for radial vibration and shaft-position measurement in a matched 3300 XL transducer system.

FIELD RECORD	VALUE
Manufacturer	Bently Nevada
Model	330104-00-10-10-02-00
Country of origin	USA
HS code	8537101190
Shipping origin	Xiamen, Fujian, China
Availability	Stock 1 3-day lead time Fast shipping

Required component match

NO.	MODEL-SPECIFIC REQUIREMENT
1	matched 3300 XL Proximitior Sensor input
2	M10 x 1 metric mounting thread and rigid machine target
3	3300 XL extension cable with total system length match
4	AISI 4140 steel target and approved field wiring

INSTALL / VERIFY | PRE-WORK GATE

Measurement output

Non-contact eddy-current displacement signal for radial vibration or position.

Installation identity

M10 x 1 armored probe, 100 mm case, 1.0 m standard cable.

Complete each gate before isolation. Manufacturer source identifiers below map the decisions to exact datasheet sections and pages.

PRE-WORK GATE	PASS CONDITION
Complete model code	330104-00-10-10-02-00, M10 x 1 armored probe, AA=00/BB=10/CC=10/DD=02/EE=00 match the order record.
Machine state	The monitored shaft and protection channel are in the approved maintenance state and rotation is controlled.
Target and gap	A suitable AISI 4140 target and documented radial gap are available.
Cable route	The 1.0 m standard cable route, shield treatment and matched extension are documented.
Test equipment	Gap voltage, bias, polarity and dynamic-response checks are planned and traceable.
Baseline	Existing alarm action and vibration trend baseline are recorded before removal.

Technical source coverage

TECHNICAL BLOCK	OFFICIAL SOURCE / LOCATION
Ordering decode	Bently Nevada 3300 XL 8 mm Proximity Transducer System Datasheet 141194 Rev. AM (Baker Hughes). — pp. 14, 35: 330104 AA/BB/CC/DD/EE options and M10 x 1 armored geometry.
System matching	Bently Nevada 3300 XL 8 mm Proximity Transducer System Datasheet 141194 Rev. AM (Baker Hughes). — pp. 1, 18-19: probe/extension totals equal the Proximitor Sensor system length.
Gap, linearity, target	Bently Nevada 3300 XL 8 mm Proximity Transducer System Datasheet 141194 Rev. AM (Baker Hughes). — pp. 4-6: AISI 4140 basis, 15.2 mm target, 2 mm linear range and -9 Vdc gap.
Electrical acceptance	Bently Nevada 3300 XL 8 mm Proximity Transducer System Datasheet 141194 Rev. AM (Baker Hughes). — pp. 5-6: ISF, DSL, frequency response and field-wiring limit.
Connector and mechanics	Bently Nevada 3300 XL 8 mm Proximity Transducer System Datasheet 141194 Rev. AM (Baker Hughes). — pp. 2, 7-8, 20: ClickLoc torque, bend radius, thread engagement and protectors.
Environment and approvals	Bently Nevada 3300 XL 8 mm Proximity Transducer System Datasheet 141194 Rev. AM (Baker Hughes). — pp. 9, 14, 16: standard temperature and EE=00 versus ETR/approval options.

INSTALL / VERIFY | CONTROLLED SEQUENCE

Run the eight controls for 330104-00-10-10-02-00 in order; stop if any model-specific condition is not met.

1. Verify the complete 330104-00-10-10-02-00 code and M10 x 1 armored execution before work.	5. Route the 1.0 m standard cable without sharp bends, tensile load or moving-part contact.
2. Place the monitored machine and protection channel in the approved maintenance state.	6. Keep ClickLoc connector faces clean, dry and mechanically unloaded.
3. Protect the 8 mm PPS tip, armor and metric thread from impact, burrs and contamination.	7. Set the radial gap near -9 Vdc (approximately 1.27 mm) and verify the linear region.
4. Confirm the 100 mm case, 0 mm unthreaded option and correct mounting engagement.	8. Prove bias, polarity, dynamic response and alarm action before returning the channel to service.

Controlled return to service

ACCEPTANCE TEST	PASS CONDITION
Bias and polarity	-9 Vdc nominal gap, stable polarity and clean connector termination.
Signal quality	Scale factor, linearity and dynamic response meet the matched-system expectation.
Mechanical record	M10 x 1 engagement, 100 mm case and cable route are recorded.
Functional proof	Controlled shaft response, alarm action and trend baseline checked before release.

INSTALL / VERIFY | COMMISSIONING DECISIONS

Use measured values and the approved monitor record to release 330104-00-10-10-02-00; do not substitute a generic channel setting.

CHECK	REFERENCE	ENGINEERING DECISION
Installed model and code	330104-00-10-10-02-00 / 330104-00-10-10-02-00	141194 ordering-code table
Probe construction	M10 x 1, armor, 100 mm case, 1.0 m probe	141194 probe construction section
Radial gap	-9 Vdc / approximately 1.27 mm	141194 linear-range and gap section
Scale factor	7.87 V/mm (200 mV/mil) +/-5%	141194 electrical specifications
Frequency response	0 to 10 kHz, +0/-3 dB	141194 electrical specifications
Connector / cable	ClickLoc, standard cable, matched extension	141194 connector and cable sections
Alarm and trend	Controlled shaft response and alarm action	Approved monitor commissioning record
Technician / date	Name, date and work order	Site work-order record

Diagnostic interpretation

OBSERVATION	MODEL-SPECIFIC DECISION
Gap voltage outside -9 Vdc	Inspect the M10 x 1 mounting gap, target surface and probe seating.
Scale response outside 7.87 V/mm	Verify 330104 probe, matched extension and Proximity Sensor length.
Noise or signal dropout	Check ClickLoc connector faces, shield treatment and cable route.
Alarm mismatch	Confirm polarity, monitor channel settings and controlled shaft response.

Escalation rule

If any value for 330104-00-10-10-02-00 falls outside the manufacturer-backed limits above, isolate the channel, preserve the as-found record and escalate to the approved engineering authority.

INSTALL / VERIFY | RELEASE RECORD

LIMITS TO VERIFY

Confirm the exact 330104-00-10-10-02-00 option code, published range and acceptance limits.

RELEASE EVIDENCE

Record 330104-00-10-10-02-00 configuration, electrical checks and alarm response before service.

Use the linked Bently Nevada pages to identify adjacent 3300 XL probe, cable and Proximitor Sensor configurations.

BRAND + MODEL	PRODUCT ROLE	APTER POWER PAGE
Bently Nevada 330104-00-06-10-02-00	3300 XL 8 mm metric armored proximity probe	Check Bently Nevada 330104-00-06-10-02-00 page
Bently Nevada 330104-00-10-10-02-05	3300 XL 8 mm metric armored probe with approvals	Check Bently Nevada 330104-00-10-10-02-05 page
Bently Nevada 330104-00-15-10-02-00	3300 XL 8 mm metric armored probe, 150 mm case	Check Bently Nevada 330104-00-15-10-02-00 page
Bently Nevada 330104-01-05-10-02-00	3300 XL 8 mm metric armored probe, alternate thread	Check Bently Nevada 330104-01-05-10-02-00 page
Bently Nevada 330103-00-06-10-02-00	3300 XL 8 mm metric unarmored proximity probe	Check Bently Nevada 330103-00-06-10-02-00 page
Bently Nevada 330103-00-10-10-02-00	3300 XL 8 mm metric unarmored probe, 1 m	Check Bently Nevada 330103-00-10-10-02-00 page
Bently Nevada 330101-00-08-05-02-00	3300 XL 8 mm unarmored standard proximity probe	Check Bently Nevada 330101-00-08-05-02-00 page
Bently Nevada 330103-00-10-10-12-05	3300 XL 8 mm metric unarmored probe with approvals	Check Bently Nevada 330103-00-10-10-12-05 page

Source identifiers

Bently Nevada 3300 XL 8 mm Proximity Transducer System Datasheet 141194 Rev. AM (Baker Hughes). See the manufacturer publication for complete ordering, installation and performance details. This workbook is an Apter Power field aid; manufacturer documents control final installation decisions.

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