

Product and System Dashboard

Bently Nevada 330101-00-52-10-02-05

Bently Nevada 330101-00-52-10-02-05 is an unarmored 3300 XL 8 mm proximity probe with an imperial mounting thread and standard ClickLoc connection. In a matched transducer chain, it supports non-contact monitoring of shaft position and vibration.

Four Product Characteristics

PROBE FAMILY	MOUNTING	CONNECTOR	ORDER OPTION
330101 unarmored 3300 XL 8 mm	Imperial 3/8-24 UNF	Standard ClickLoc without protector	05: CSA / ATEX / IECEx

Technical Capability

COMPONENT FACT	SYSTEM FACT	ACCEPTANCE BASIS
Nominal probe DC resistance: 7.59 +/- 0.50 ohm	Matched scale factor: 7.87 V/mm nominal	Use AISI 4140 calibration target or approved alternative.
PPS tip, stainless-steel case, unarmored lead	Matched response: 0 to 10 kHz, +0/-3 dB	Check complete probe/cable/Proximitor configuration.
Miniature coaxial ClickLoc interface	Proximitor output resistance: 50 ohm	Confirm clean engagement and environmental protection.

Technical boundary

The electrical performance values above describe the matched 3300 XL transducer system under published reference conditions; they are not independent ratings for an unconnected probe.

Applications and Release Decisions

Documented Application Roles

APPLICATION	ROLE IN THE MATCHED SYSTEM
Shaft-relative vibration	Non-contacting probe input in the matched 3300 XL 8 mm system on fluid-film bearing machinery.
Shaft position	Static displacement measurement with the specified conductive target and configured gap.
Keyphasor reference	Phase-reference measurement when connected to an approved monitoring channel.
Speed indication	Rotational reference in an approved probe/Proximator/monitor arrangement.

Eight Installation Precautions

IDENTITY AND CONNECTION	PAIRING AND ACCEPTANCE
1. Confirm the complete 330101-00-52-10-02-05 ordering code before fitting the probe.	5. Use a Proximator and companion cable arrangement matched to the ordered probe option.
2. Confirm the imperial mounting thread and the case option against the existing mounting location.	6. Check the installed target material against the published AISI 4140 calibration basis.
3. Route and support the unarmored lead to avoid bending, abrasion and oil ingress.	7. Set and verify the static gap before accepting the dynamic signal.
4. Keep the ClickLoc connector clean and finger-tight; the ordered 02 option has no protector.	8. Confirm the applicable 05 approval marking and installation drawing for the actual area classification.

Decisions, Evidence and Contact

Model-Specific Questions

QUESTION	ANSWER
Which connection is specified by the 02 option?	It is the miniature coaxial ClickLoc connector with standard cable and without the connector protector.
What target material underlies the published system accuracy?	The standard Proximitor is factory calibrated to AISI 4140 steel; the published accuracy and interchangeability limits do not automatically apply to other targets.

Manufacturer source record

Bently Nevada 3300 XL 8 mm Proximity Transducer System Datasheet 141194 Rev. AN. Exact-family system, electrical and ordering tables: pages 1-5 and 13-14. Product links below are navigation only.

Related Bently Nevada Products on Apter Power

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