

Exact Probe Configuration

Bently Nevada 330101-00-50-05-02-00

Bently Nevada 330101-00-50-05-02-00 is an unarmored 3300 XL 8 mm proximity probe with 3/8-24 UNF-2A mounting, a 0.5 m total probe length and a ClickLoc connector without protector and standard cable. It supports non-contact shaft monitoring only as part of a matched 3300 XL transducer system.

Decoded Ordering Code

FIELD	PUBLISHED SELECTION
Probe family	330101: 3300 XL 8 mm, 3/8-24 UNF-2A, unarmored
AA00 unthreaded	0.0 in
BB50 case	5.0 in
CC05 total	0.5 m
DD02 connector	ClickLoc connector without protector, standard cable
EE00 approval	Approval option not required

System boundary

The probe is one element of a matched 3300 XL 8 mm transducer chain. Published 2 mm linear range and 7.87 V/mm scale factor require the specified reference conditions and compatible cable, sensor and monitor.

Applications, Precautions and Source

Application Roles

APPLICATION	CONTROLLED USE
Shaft-relative vibration	Non-contacting probe input in a matched 3300 XL system on appropriate rotating machinery.
Shaft position	Static displacement measurement with an approved conductive target and configured gap.
Keyphasor reference	Phase-reference input when paired with an approved monitoring channel.
Speed indication	Rotational reference in a compatible probe, Proximitor and monitor arrangement.

Installation Precautions

IDENTITY AND MECHANICS	CONNECTION AND ACCEPTANCE
Confirm the full 330101-00-50-05-02-00 ordering mark before replacement.	Use a Proximitor and any extension cable matched to the complete ordered transducer chain.
Verify 3/8-24 UNF-2A mounting and the 5.0 in case option against the machine location.	Check the target material against the published AISI 4140 calibration basis.
Route the unarmored lead to avoid abrasion, excessive bends and oil ingress.	Set and record the static gap before accepting dynamic measurements.
Keep the ClickLoc connection clean and finger-tight; the ordered 02 option has no protector.	Verify the installed approval marking and area drawing separately; EE00 does not select an agency-approval option.

Manufacturer source

Bently Nevada datasheet 141194 Rev. AN, pages 4-9 and 13-14; exact code and system limits checked.