

FIELD INSTALLATION QUICK GUIDE

Installation Instructions

Bently Nevada 330103-00-16-05-02-05

Metric Non-Armored Proximity Probe



PRODUCT	330103-00-16-05-02-05
FAMILY	3300 XL 8 mm transducer
FUNCTION	Metric Non-Armored Proximity Probe
STATUS	Verify exact configuration

Prepared by Amikon Limited from Bently Nevada manufacturer documentation. This guide does not replace the complete manufacturer manual, site procedure, hazardous-area drawing, or approval document.

01

CONFIRM THE ORDERED CONFIGURATION

Mounting thread	M10 x 1
Unthreaded length	0 mm
Overall case length	160 mm
Probe total length	0.5 m
Cable armor	Without armor
Connector and cable option	ClickLoc; no included connector protector; standard cable
Probe tip diameter	8 mm nominal

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MOUNTING AND CONNECTION

- Use 330103-00-03-10-02-05 for m10 × 1 metric within the documented 3300 XL 8 mm transducer. Confirm identity, installation position and the controlled system record before work.
- Record ferromagnetic shaft surface, adjacent hardware, cable or fastener arrangement and the applicable manufacturer instructions before removal.
- Confirm cable armor: Without armor.
- Complete the documented acceptance check: Match system length and set operating gap. Review diagnostics or mechanical retention and save the final result before release.

Official manufacturer reference reproduced from Bently Nevada manufacturer documentation. Use the current source document and all referenced drawings and notes for installation.

3300 XL 8 mm Proximity Transducer System

Datasheet

Cordant™

141194 Rev. AM



Description

The 3300 XL 8 mm Proximity Transducer System consists of:

- One 3300 XL 8 mm probe,
- One 3300 XL extension cable¹, and
- One 3300 XL Proximitors Sensor².

The system provides an output voltage that is directly proportional to the distance between the probe tip and the observed conductive surface and can measure both static (position) and dynamic (vibration) values. The system's primary applications are vibration and position measurements on fluid-film bearing machines, as well as Keyphasor reference and speed measurements³.

The 3300 XL 8 mm system delivers the most advanced performance in our eddy current proximity transducer systems. The standard 3300 XL 8 mm 5-meter system also fully complies with the American Petroleum Institute's (API) 670 Standard for mechanical configuration, linear range, accuracy, and temperature stability. All 3300 XL 8 mm proximity transducer systems provide this level of performance and support complete interchangeability of probes, extension cables, and Proximitors sensors, eliminating the need to match or bench calibrate individual components.

Each 3300 XL 8 mm Transducer System component is backward compatible and interchangeable⁴ with other non-XL 3300 series 5 mm and 8 mm transducer system components⁵. This compatibility includes the 3300 5 mm probe, for applications in which an 8 mm probe is too large for the available mounting space^{6,7}.



Baker Hughes

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CABLE ROUTING AND CONNECTION

- Record ferromagnetic shaft surface, adjacent hardware, cable or fastener arrangement and the applicable manufacturer instructions before removal.
- Restore the documented probe tip diameter and verify 8 mm nominal.
- Support all cables, connectors or mechanical interfaces without strain.
- Inspect shields, earth paths, fasteners and adjacent hardware before service.

05

INITIAL SYSTEM CHECKS

- Confirm exact model identity and compatible system components before energizing.
- Check the saved configuration against the controlled site requirements.
- Match system length and set operating gap. Review diagnostics or mechanical retention and save the final result before release.
- Record the installed model, baseline values and final status.

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CONTROLLED DOCUMENTS

Official source	Bently Nevada manufacturer documentation
Product record	330103-00-16-05-02-05
Manufacturer	Bently Nevada
Support	INFO@AMIKON.CN