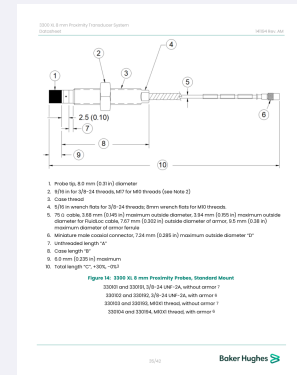


FIELD INSTALLATION QUICK GUIDE

Installation Instructions

Bently Nevada 330103-00-12-10-12-05
Unarmored Proximity Probe



PRODUCT	330103-00-12-10-12-05
FAMILY	3300 XL 8 mm
FUNCTION	Unarmored Proximity Probe
STATUS	Verify exact configuration

Prepared by Amikon Limited from Bently Nevada 141194 Rev. AM. This guide does not replace the complete manufacturer manual, site procedure, hazardous-area drawing, or approval document.

01 CONFIRM THE ORDERED CONFIGURATION

Unthreaded length option	00: 0 mm
Overall case length option	12: 120 mm
Total length option	10: 1.0 m
Connector and cable-type option	12: ClickLoc; FluidLoc cable
Agency approval option	05: CSA, ATEX, IECEx
Case thread	M10 x 1
Probe tip material	Polyphenylene sulfide (PPS)

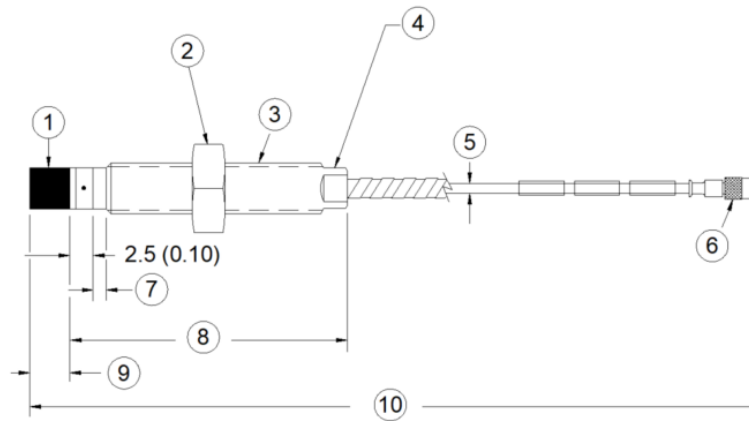
02 MOUNTING AND CONNECTION

- Check the complete suffix and the actual target arrangement.
- Confirm the M10 x 1 mounting interface and the selected probe construction.
- Use the case torque applicable to the mounting type, not connector torque.
- Connect matching XL ClickLoc connectors finger-tight.
- Review pressure containment and applicable certification conditions.

MANUFACTURER INSTALLATION REFERENCE

3300 XL 8 mm Proximity Transducer System
Datasheet

141194 Rev. AM



1. Probe tip, 8.0 mm (0.31 in) diameter
2. 9/16 in for 3/8-24 threads, M17 for M10 threads (see Note 2)
3. Case thread
4. 5/16 in wrench flats for 3/8-24 threads; 8mm wrench flats for M10 threads.
5. 75 Ω cable, 3.68 mm (0.145 in) maximum outside diameter, 3.94 mm (0.155 in) maximum outside diameter for FluidLoc cable, 7.67 mm (0.302 in) outside diameter of armor, 9.5 mm (0.38 in) maximum diameter of armor ferrule
6. Miniature male coaxial connector, 7.24 mm (0.285 in) maximum outside diameter "D"
7. Unthreaded length "A"
8. Case length "B"
9. 6.0 mm (0.235 in) maximum
10. Total length "C", +30%, -0%³

Figure 14: 3300 XL 8 mm Proximity Probes, Standard Mount

330101 and 330191, 3/8-24 UNF-2A, without armor ⁷

330102 and 330192, 3/8-24 UNF-2A, with armor ⁶

330103 and 330193, M10X1 thread, without armor ⁷

330104 and 330194, M10X1 thread, with armor ⁶

04

CABLE ROUTING AND CONNECTION

- Confirm the M10 x 1 mounting interface and the selected probe construction.
- Use the case torque applicable to the mounting type, not connector torque.
- Connect matching XL ClickLoc connectors finger-tight.
- Review pressure containment and applicable certification conditions.
- Use the complete transducer user guide for gap setting and commissioning.

05

INITIAL SYSTEM CHECKS

- Confirm model identity and compatible system components before energizing.
- Check the exact configuration against the controlled site requirements.
- Verify the measurement using the complete equipment instructions.
- Record the complete model and the installed measurement arrangement.

06

CONTROLLED DOCUMENTS

Official source	Bently Nevada 141194 Rev. AM
Product record	330103-00-12-10-12-05
Manufacturer	Bently Nevada
Support	INFO@AMIKON.CN