

FIELD INSTALLATION QUICK GUIDE

Installation Instructions

Bently Nevada 330103-00-16-05-11-05

M10 x 1 FluidLoc proximity probe



PRODUCT	330103-00-16-05-11-05
THREAD	M10 x 1
ORDERED LENGTH	0.5 m total length
APPROVAL	CSA, ATEX and IECEx

Prepared by Amikon Limited from official Datasheet 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

Thread / mounting	M10 x 1
Armor / input	Without armor
Unthreaded / full scale	0 mm unthreaded length
Case / construction	160 mm overall case length
Cable / system	0.5 m total length
Connector / output	FluidLoc cable with connector protector
Approval option	CSA, ATEX and IECEx

02 MECHANICAL MOUNTING

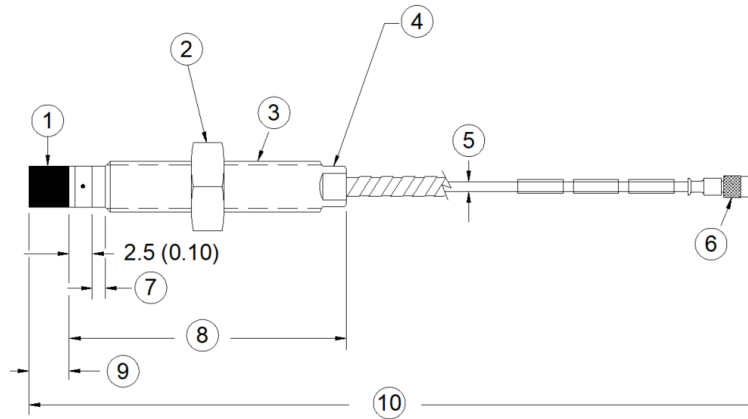
- Verify the complete order number 330103-00-16-05-11-05 before installation.
- Use the specified M10 x 1 mounting and protect sensing or terminal surfaces.
- Preserve the ordered 0 mm unthreaded length and 160 mm overall case length mechanical configuration.
- Do not force the case, cable, connector, terminals, or mounting hardware.
- Confirm compatible system components before commissioning.

03

MECHANICAL INSTALLATION DRAWING

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

- Maintain the ordered 0.5 m total length configuration.
- Route signal wiring away from high-voltage power conductors.
- Protect cable, connector and terminals from contamination and moisture.
- Do not exceed manufacturer bend-radius or connector-torque limits.
- Verify grounding and hazardous-area requirements before energizing.

05

INITIAL GAP AND SYSTEM CHECKS

- Complete wiring and compatibility checks before commissioning.
- Confirm gap voltage, loop current, or axial position using the official procedure.
- Verify monitor or control-system channel configuration and alarm logic.
- Record the installed order number and measured baseline values.

06

CONTROLLED DOCUMENTS

Official datasheet	141194 Rev. AM
Product record	330103-00-16-05-11-05
Manufacturer	Baker Hughes / Bently Nevada
Support	INFO@AMIKON.CN