

AMIKON TECHNICAL INTELLIGENCE

Installation Instructions

Bently Nevada 102044-00-18-10-02-00
3300 XL 8 mm legacy proximity probe

PROBE FAMILY	CASE LENGTH	TOTAL LENGTH	APPROVAL
3300 XL 8 mm	1.8 in	1.0 m	Not required

Prepared from official Bently Nevada Datasheet 141194 Rev. AM. This guide does not replace controlled manufacturer instructions, approval drawings or site procedures.

01 CONFIRM THE ORDERED CONFIGURATION

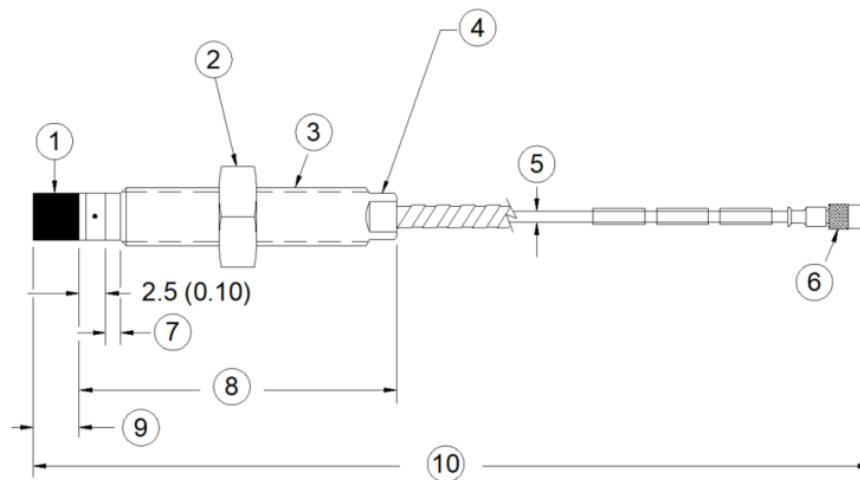
Model	102044-00-18-10-02-00
Unthreaded length	0.0 in
Overall case length	1.8 in
Total length	1.0 m
Cable option	Standard cable
Connector protection	Connector protector
Agency approval	Not required

02 BEFORE INSTALLATION

- Confirm the complete legacy order code and system components.
- Match the probe with the correct extension cable and Proximitor Sensor.
- Verify total electrical system length before energizing.
- Inspect cable, connector protector and probe tip for damage.
- Confirm target material and mounting clearance.

03 OFFICIAL PROBE INSTALLATION REFERENCE

Use the official Bently Nevada dimensional drawing and notes below to confirm probe geometry, mounting clearance and cable routing.



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

Do not force the probe case or cable. Maintain the specified gap and protect the connector from contamination, moisture and mechanical loading.

04 MOUNTING AND CONNECTION

- Install the probe with the ordered 0.0-inch unthreaded and 1.8-inch case configuration.
- Route the 1.0-meter cable away from high-voltage conductors.
- Seat the coaxial connection fully and fit the connector protector correctly.
- Maintain the required bend radius and strain relief.
- Complete grounding and hazardous-area checks required by the site.

05 INITIAL SETUP AND SYSTEM CHECKS

- Connect only to the matched 3300 XL extension cable and Proximity Sensor.
- Set the probe gap using the official system procedure.
- Verify gap voltage and stable channel response before service.
- Check Keyphasor or speed logic when those functions are used.
- Record the full order code, installed system length and baseline reading.

06 CONTROLLED DOCUMENTS

Manufacturer datasheet	141194 Rev. AM
Product record	102044-00-18-10-02-00
Manufacturer	Baker Hughes / Bently Nevada