

AMIKON TECHNICAL DOCUMENTATION

Installation Instructions

Bently Nevada 330881-16-10-100-03-02

PROXPAC XL metric proximity transducer assembly

PROBE	STANDOFF B	PENETRATION C	APPROVAL
8 mm	100 mm	100 mm	None

For qualified personnel. This concise reference does not replace the complete manufacturer instructions, controlled drawings or site safety procedures. Verify the exact model and installation before use.

01

CONFIRM ORDERED CONFIGURATION

Product model	330881-16-10-100-03-02
Probe and approvals	3300 XL 8 mm probe; option 16 has no approvals
Standoff / penetration	B = 100 mm; C = 100 mm, distinct dimensions
Fitting and mounting thread	One M20 fitting, two plugs; 3/4-14 NPT
Housing / internal probe cable	UV-resistant reinforced PPS / 1 m cable
Gap setting	1.27 mm (50 mils) recommended

02

INSTALLATION CONTROLS

- Retaining-nut torque is 29.5 N m; probe-sleeve locknut torque is 39.3 N m. Do not exchange these values.
- Preserve the documented target geometry, tip separation and gap; the next page retains the original dimension drawing.
- Prevent moisture traveling through conduit into the housing. Respect the separate probe and housing temperature limits.

OFFICIAL ASSEMBLY DIMENSIONS

PROXPAC XL Proximity Transducer Assembly
Datasheet

178554 Rev. E

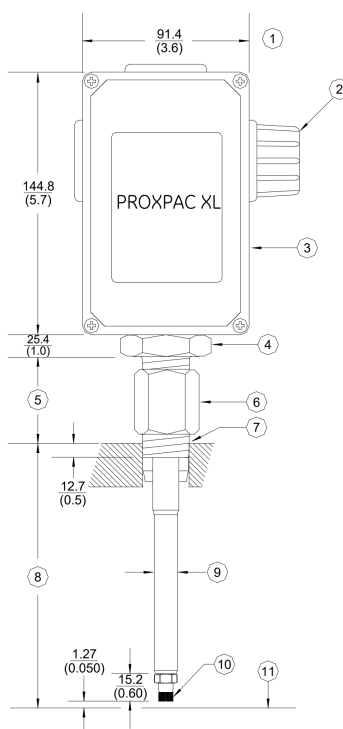


Figure 2: Dimensions for PROXPAC XL Proximity Transducer Assembly

1. Depth = 92.7 (3.65)
2. Fitting "D"
3. PROXPAC XL Housing
4. 42 (1.75) hexagonal
5. Dimension "B"
6. Standoff adaptor (optional)
7. 3/4-14 NPT
8. Dimension "C"
9. 12.7 (0.5) diameter stainless steel sleeve
10. Probe
11. Target surface

04 CONNECTION & FUNCTIONAL CHECKS

01	Match probe option 16, B = 100 mm, C = 100 mm, M20 fitting kit and 3/4-14 NPT mounting thread.
02	Confirm the 1 m internal probe cable and direct monitor field wiring; do not add a separate probe extension cable.
03	Verify -17.5 to -26 Vdc without barriers at 12 mA maximum. Above -23.5 Vdc, available linear range can be reduced.
04	Use 16 to 24 AWG field conductors; shielded three-conductor triax and tinned wiring are recommended.
05	Maintain the recommended 1.27 mm gap and specified target geometry. Check channel response before returning it to service.
06	Check retaining-nut and sleeve-locknut torque, protected connectors, conduit sealing and moisture entry paths.

05 RESTRICTIONS & SOURCE INSTRUCTIONS

- Probe: -52 to +177 C, but below -34 C the pressure seal may fail prematurely. Housing and Proximator: -52 to +100 C.
- Option 16 has no approvals; Type 4X/IP66 protection is not hazardous-area certification.
- Use the original target-spacing instructions on pages 2-3 and conduit-fitting instructions on page 9. Field wiring is limited to 305 m; consider high-frequency rolloff.

Official 178554 Rev. E - system, limits, ordering and drawings

AMIKON PRODUCT SUPPORT

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