

AMIKON TECHNICAL DOCUMENTATION

Installation Instructions

Bently Nevada 146056-38-10-02-02-05

Ceramic Capped Proximity Probe

THREAD	CASE	LENGTH	CONNECTOR
3/8-24 UNF	3.8 in	1.0 m	ClickLoc

For qualified personnel. This concise reference does not replace controlled manufacturer instructions, site safety procedures or approval documents.

01

CONFIRM ORDERED CONFIGURATION

Mounting thread	3/8-24 UNF
Case length	3.8 in (96.52 mm)
Total probe length	1.0 m
Exit fitting	1/2-inch NPT
Connector type	Standard miniature ClickLoc coaxial
Rear cable protection	Stainless steel tubing and rear fitting

02

INSTALLATION CONTROLS

- Gap electrically at the specified 1.0 mm recommendation; avoid any contact or mechanical load on the ceramic tip.
- Secure and gap the probe before tightening the rear fitting; the rear fitting leaves the factory unsealed.
- Do not exceed 0.563 in thread engagement for the 3/8-24 probe case with a matching internal thread.
- Use the compatible 3300 Proximitor and extension cable; confirm the complete electrical system length.
- Review monitor OK limits because the ceramic probe response is shifted relative to a standard probe.

03 OFFICIAL INSTALLATION DRAWING

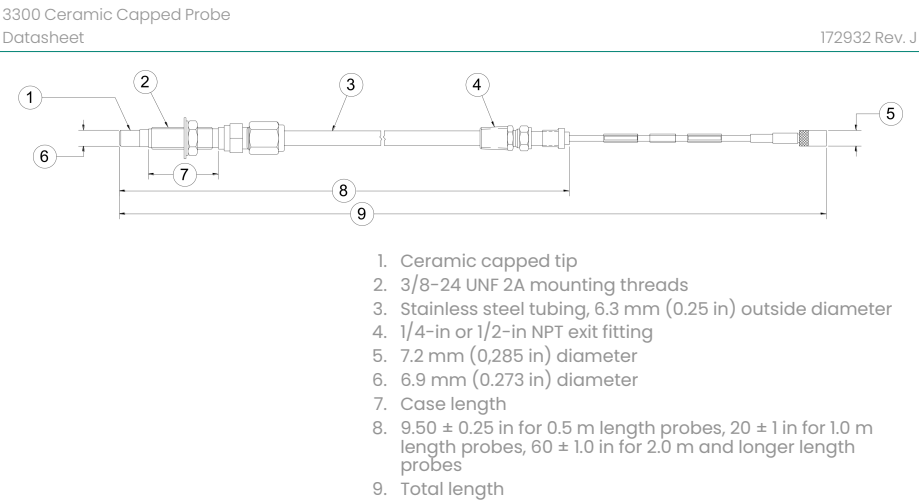


Figure 3: Probe 146056, 3/8-24 Thread, Forward Mount With Stainless Steel Tubing Protecting Probe Cable.

- Probes ordered with 5 m or 9 m integral cables have a length tolerance of +20%, -0%.
- Reverse mount probes are not available with armor or connector protector options.
- 5 m probes are designed for use with the 5 m Proximitor Sensor only.
- Proximitor Sensors are supplied (by default) from the factory calibrated to AISI 4140 steel. Calibration to other target materials is available upon request.

Original datasheet p.11, Figure 3 applies to 146056. The exact case length and exit option are identified on the cover.

04 PRE-ENERGIZATION CHECKS

01	Confirm the full order code 146056-38-10-02-02-05, supplied case dimensions and approval markings.
02	Match probe, extension cable, Proximitor and the intended target calibration before commissioning.
03	Verify the rear tubing and 1/2-inch NPT exit; complete the fitting seal after gapping.
04	Keep cable bend radius at least 25.4 mm and protect the coaxial connection.
05	Confirm the electrical gap, shifted ceramic response and monitor lower OK-limit assessment.
06	Provide process containment for leakage and retain current controlled installation records.

05 OFFICIAL DOCUMENTATION

Datasheet 172932 Rev. J

06 SCOPE REMINDER

The pressure statement is a 34 bar nitrogen seal rating, not universal chemical compatibility or a complete pressure-system approval. Follow qualified site procedures and the controlled manufacturer instructions.

AMIKON PRODUCT SUPPORT

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