

AMIKON TECHNICAL DOCUMENTATION

Installation Instructions

Bently Nevada 146054-12-05-01-05

Ceramic Capped Proximity Probe

THREAD	CASE	LENGTH	CONNECTOR
3/8-24 UNF	1.2 in	0.5 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	1.2 in (30.48 mm)
Total probe length	0.5 m
Connector configuration	ClickLoc coaxial with connector protector
Cable armor	None
Probe tip material	Alumina ceramic

02

INSTALLATION CONTROLS

- Gap electrically at the specified 1.0 mm recommendation; avoid any contact or mechanical load on the ceramic tip.
- Keep destructive gases and liquids away from the unsealed rear of the 146054 case.
- 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

3300 Ceramic Capped Probe
Datasheet 172932 Rev. J

Graphs and Figures

Note: All dimensions shown in millimeters [inches] except as noted.

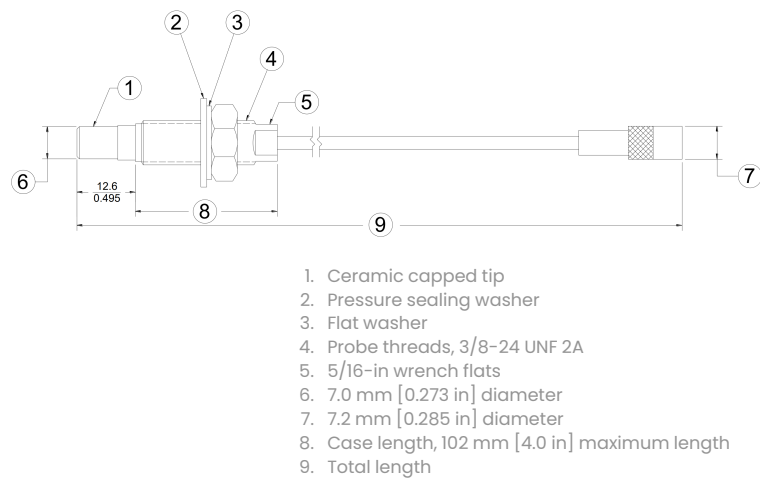


Figure 1: Probe 146054, 3/8-24 Thread Forward Mount (Note 4-inch maximum case length)

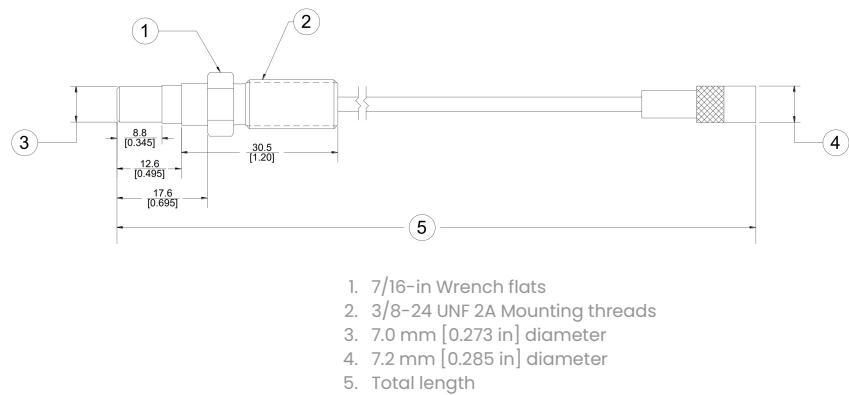


Figure 2: Probe 146055, 3/8-24 Thread Reverse Mount, Suitable For Use In 31000 or 21000 Housings.

Original datasheet p.10, Figure 1 applies to 146054. Figure 2 shows a different reverse-mount family and is retained only as original-page context.

04 PRE-ENERGIZATION CHECKS

01	Confirm the full order code 146054-12-05-01-05, supplied case dimensions and approval markings.
02	Match probe, extension cable, Proximitytor and the intended target calibration before commissioning.
03	Verify that only the front seal is exposed to the destructive process environment.
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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