3300 CERAMIC CAPPED PROBE

Product Data Sheet

146054-28-10-02-05

Ceramic capped proximity probe

CASE THREAD	CASE LENGTH SELECTION	TOTAL PROBE LEAD	LEAD ARMOR
3/8-24 UNF	**2.8 in**	**1.0 m**	**None**

Bently Nevada 146054-28-10-02-05 is a ceramic-capped proximity probe for aggressive chemical or high-pressure conditions. Its alumina cap and 304 stainless steel case form a front-end barrier against corrosive gases and liquids, while the probe connects to the compatible 3300 proximity transducer arrangement.

01 TECHNICAL DATA

Case thread	3/8-24 UNF
Case length selection	2.8 in
Total probe lead	1.0 m
Lead armor	None
Sensing cap	Alumina ceramic (Al2O3)
Probe case alloy	AISI 304 stainless steel
Cable construction	75 ohm coaxial; FEP insulation
Lead connection	Miniature coaxial ClickLoc
Connector protector	Not fitted
Approval selection	05: CSA, ATEX and IECEx

02 ADDITIONAL PRODUCT DATA

Probe dc resistance	7.59 +/- 0.50 ohm
Published probe pressure	34 bar (500 psi)
Operating and storage range	-51 to +177 degC
Maximum thread engagement	0.563 in
Minimum cable bend radius	25.4 mm

03 PRODUCT FUNCTION

The 28 selection specifies a 2.8 in case with 3/8-24 UNF threads, followed by a 1.0 m standard coaxial lead and miniature ClickLoc connection without a protector. The 146054 construction seals the front ceramic-to-metal interface; its rear is not sealed against the destructive substances identified in the manufacturer instructions.

04 SYSTEM COMPATIBILITY

The alumina-to-metal interface is helium leak tested, but the 146054 rear has no sealing fitting or stainless steel tube. Do not expose its rear to the destructive media listed by the manufacturer. The published 34 bar rating does not remove the requirement for suitable process containment and installation safeguards.

05 REFERENCE

Bently Nevada 3300 Ceramic Capped Probe Datasheet 172932 Rev. J; applicable product description, specification and ordering sections.

AMIKON PRODUCT SUPPORT

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