3300 XL 25 MM

Product Data Sheet

330851-01-000-020-10-00-00

Differential expansion proximity probe

CASE THREAD	UNTHREADED SECTION	CASE LENGTH SELECTION	TOTAL PROBE LEAD
1-1/4-12	**0.0 in**	**2.0 in**	**1.0 m**

Bently Nevada 330851-01-000-020-10-00-00 is a 3300 XL 25 mm proximity probe for differential-expansion measurements. The large sensing coil works with the corresponding extension cable and Proximitor to provide a 12.7 mm linear measurement span.

01 TECHNICAL DATA

Case thread	1-1/4-12
Unthreaded section	0.0 in
Case length selection	2.0 in
Total probe lead	1.0 m
Lead armor	None
Approval selection	00: no approvals
Tip polymer	PEEK
Case alloy	AISI 304 stainless steel
Cable impedance	75 ohm
Lead insulation	PFA FluidLoc

Bently Nevada 3300 XL 25 mm Datasheet 163236 Rev. M, applicable specification, ordering and dimensional sections.

02 ADDITIONAL PRODUCT DATA

Conductor construction	Triaxial
Probe resistance	6.2 +/- 0.5 ohm
Matched-chain linear span	12.7 mm
Nominal matched-chain sensitivity	0.787 V/mm
Minimum cable bend radius	25.4 mm

03 PRODUCT FUNCTION

This threaded execution has a 1-1/4-12 case, zero unthreaded length and a 2.0 in overall case selection. Its 1 m PFA FluidLoc lead is unarmored, and the final 00 selection requests no approvals. A PEEK tip and stainless steel case surround the sensing element.

04 SYSTEM COMPATIBILITY

The source uses an AISI 4140 target at least 61 mm in diameter, with a 7 mm reference gap. The nominal scale is 0.787 V/mm and the approximate linear span is 0.63 to 13.33 mm. Set the expansion channel using the actual mounting geometry and available travel.

05 REFERENCE

Bently Nevada 3300 XL 25 mm Datasheet 163236 Rev. M, applicable specification, ordering and dimensional sections.

AMIKON PRODUCT SUPPORT

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