3300 XL 50 MM

Product Data Sheet

330876-01-50-01-05

Long-range expansion proximity probe

CALIBRATION TARGET METAL	MOUNTING INTERFACE	TOTAL PROBE LEAD	LEAD ARMOR
AISI 4140 steel	**1/2-20 thread**	**5.0 m**	**Stainless steel armor**

Bently Nevada 330876-01-50-01-05 is a 3300 XL 50 mm proximity probe for long-range expansion measurements. A separate extension and 50 mm Proximitor complete the non-contact sensing chain, whose nominal linear range is 27.9 mm.

01 TECHNICAL DATA

Calibration target metal	AISI 4140 steel
Mounting interface	1/2-20 thread
Total probe lead	5.0 m
Lead armor	Stainless steel armor
Approval selection	05: multiple approvals
Tip polymer	PPS
Case alloy	AISI 304 stainless steel
Cable impedance	75 ohm
Lead insulation	PFA FluidLoc
Conductor construction	Triaxial

Bently Nevada 3300 XL 50 mm Datasheet 174014 Rev. L, applicable specification, ordering and dimensional sections.

02 ADDITIONAL PRODUCT DATA

Probe resistance	7.6 +/- 0.8 ohm
Matched-chain linear span	27.9 mm
Nominal matched-chain scale	394 mV/mm
Minimum bend radius	25.4 mm
Calibration flat target minimum	102 mm diameter

03 PRODUCT FUNCTION

This execution uses a 1/2-20 thread interface and a 5.0 m total lead with stainless steel armor. The standard sensing construction combines a PPS tip, stainless steel case and 75-ohm PFA FluidLoc triaxial cable. The five-metre probe is intended only for the five-metre Proximitor calibration.

04 SYSTEM COMPATIBILITY

The nominal 394 mV/mm scale and 1.3 to 29.2 mm operating span refer to the complete matched chain with the documented AISI 4140 target. The recommended flat-target minimum diameter is 102 mm. Verify alignment and the expected direction of expansion before adjusting the channel.

05 REFERENCE

Bently Nevada 3300 XL 50 mm Datasheet 174014 Rev. L, applicable specification, ordering and dimensional sections.

AMIKON PRODUCT SUPPORT

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