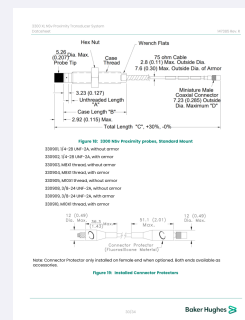


3300 XL NSv Armored Proximity Probe



Bently Nevada 330904-08-15-10-02-05 is a 330904 standard-mount 3300 XL NSv proximity probe with M8 x 1 thread, stainless-steel armor, 0.8-inch unthreaded length, 1.5-inch case length and 1.0-meter total length. Option 02 specifies a miniature coaxial ClickLoc connector with standard cable; option 05 specifies Multiple Approvals.

VERIFIED PRODUCT PARAMETERS

Unthreaded length option	0.8 in (20.3 mm)
Overall case length option	1.5 in (38.1 mm)
Total length option	1.0 m (39 in)
Connector option	Miniature coaxial ClickLoc connector, standard cable
Agency approval option	Multiple Approvals
Probe thread	M8 x 1 metric thread
Probe construction	AISI 304 stainless-steel case with stainless-steel armor
Recommended gap	1.0 mm (40 mils)
Linear range	0.25 to 1.75 mm (10 to 70 mils)
Frequency response	0 to 10 kHz, +0/-3 dB typical

02

MODEL CONFIGURATION VERIFICATION

Product model	330904-08-15-10-02-05
Product designation	330904 NSv probe, M8 x 1, with armor
Unthreaded / case length	0.8 in / 1.5 in
Total probe length	1.0 m (39 in)
Published size reference	M8 case; 1.5 in case length; 1.0 m total length

03

SYSTEM ROLE AND APPLICATIONS

The 3300 XL NSv system is intended for centrifugal air compressors, refrigeration compressors, process-gas compressors and other machines with tight installation clearances. The armored M8 probe supports radial vibration, radial position, axial thrust position, tachometer, zero-speed and Keyphasor measurements when matched to the correct NSv extension cable and Proximitor Sensor.

- Small-shaft radial vibration and position measurement
- Axial position on small flat targets
- Tachometer, zero-speed and phase-reference measurement
- Tight counterbore, sideview or rearview installations
- Matched 5 m or 7 m NSv transducer systems

04

OFFICIAL INSTALLATION FACTS

- Decode every option in 330904-08-15-10-02-05 before work begins.
- Prepare an M8 x 1 mounting thread and limit thread engagement to 12 mm.
- Use 5.1 N m recommended probe-case torque and do not exceed 7.3 N m.
- Maintain a minimum cable bend radius of 25.4 mm and protect the armor from strain.
- Set the initial gap near 1.0 mm and verify the matched system length before service.

05

OFFICIAL DOCUMENTATION

[Bently Nevada 3300 XL NSv Proximity Transducer System Datasheet 147385 Rev. R](#)

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