

3300 XL NSv / Product Dashboard

330910-10-22-10-01-CN

M10 ARMORED NSv PROXIMITY PROBE

This 330910 article is the armored NSv probe with a 100 mm unthreaded section, 220 mm case, 1.0 m standard lead and protected ClickLoc termination.

Metric case

M10 x 1 thread, with armor

Unthreaded length / 10

100 mm

Overall case / 22

220 mm

Integral lead / 10

1.0 m (39 in)

A complete measurement chain requires the matching NSv extension cable, Proximitor Sensor and monitor configuration.

Order Code and System Data

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Integral lead / 10	1.0 m (39 in)
Connector and cable / 01	Protected ClickLoc, standard lead
Cable construction	75 ohm coaxial, FEP insulated
Probe tip	Polyphenylene sulfide (PPS)
Probe case	AISI 304 stainless steel
Probe lead	75 ohm coaxial, FEP insulated
M10 thread engagement	15 mm maximum
Probe temperature	-52 to +177 deg C operating/storage

Pressure seal caution	Sustained below -34 deg C may shorten seal life
M10 case torque	11.3 N m recommended; 33.9 N m max
Minimum cable bend radius	25.4 mm, with or without armor
Matched system length	5 or 7 m, probe plus extension cable
Matched-system scale factor	7.87 V/mm (200 mV/mil) average
Matched-system range	1.5 mm (60 mil) linear range
Matched-system gap	1.0 mm recommended target gap
Matched-system response	0-10 kHz, +0/-3 dB typical

System figures apply to the complete 3300 XL NSv chain under the manufacturer's stated target and calibration conditions, not to the loose probe alone.

Applications and Integration

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Axial / thrust position

Use the matched NSv chain for controlled shaft-position monitoring.

Small-target machinery

Monitor axial shaft position on the documented small-target machine.

Compact compressor

Support radial vibration measurement on the documented compressor shaft.

Speed and phase

Provide configured tachometer, zero-speed or Keyphasor measurement.

MATCHED SIGNAL PATH



Service Decisions

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What do codes 10 and 22 identify?

A 100 mm unthreaded section and a 220 mm overall metric case.

How long is the integral lead?

Code 10 is the 1.0 m probe lead.

Which connector execution is supplied?

Code 01 is a protected ClickLoc connector on a standard lead.

Is the probe armored?

Yes. The 330910 M10 x 1 probe base is the armored execution.

What system length must be matched?

The probe and extension cable form the selected 5 m or 7 m NSv chain.

What is the recommended gap?

The matched NSv system uses a 1.0 mm target-gap reference.

CONTROLLED RELEASE

Verify exact identity, lead and connector option, system length, target gap and accepted monitored response before releasing the machine.

Source and Related Portfolio

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10 Bently Nevada 21500-00-32-10-00	11 Bently Nevada 330750-80-05	12 Bently Nevada 330876-01-90-00-05

MANUFACTURER SOURCE RECORD

Baker Hughes / Bently Nevada, 3300 XL NSv Proximity Transducer System Datasheet 147385 Rev. R, pp. 1-6, 11-14.

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