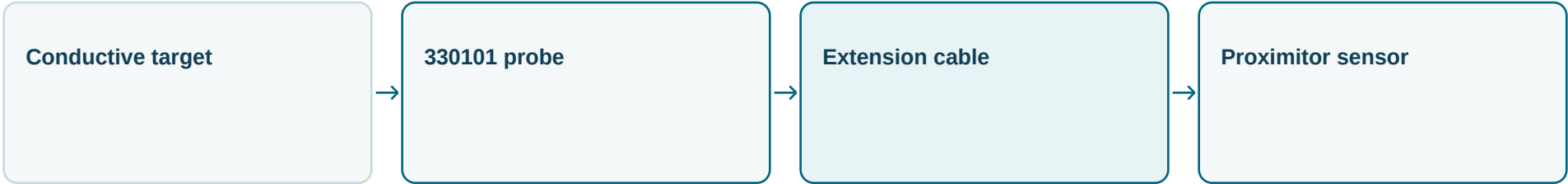


01 PRODUCT DASHBOARD

Bently Nevada 330101-XX-XX-20-02-CN MOD 147773-00-12

Proximity Probe | Non-contacting 3300 XL 8 mm probe used at the measured machine target.



Probe family

3300 XL 8 mm, without armor

Case thread

3/8-24 UNF

Connector option 02

Miniature coaxial ClickLoc, standard cable

Signal principle

Non-contacting eddy-current proximity measurement

ORDERING AND IDENTITY

330101 denotes the unarmored 3/8-24 UNF probe family. Standard option 02 is a miniature coaxial ClickLoc connector with standard cable.

02 TECHNICAL CAPABILITY MAP

Probe family	3300 XL 8 mm, without armor	System output	Voltage proportional to probe-to-target gap
Case thread	3/8-24 UNF	Reference target	AISI 4140 steel system calibration
Connector option 02	Miniature coaxial ClickLoc, standard cable	Machine target	Conductive shaft or position target
Signal principle	Non-contacting eddy-current proximity measurement	Probe lead	Standard cable and miniature coaxial ClickLoc connector

SYSTEM REFERENCE

The 3300 XL 8 mm sensing chain combines the probe, cable and Proximitor Sensor. Evaluate system performance under the published test conditions and installed configuration.

Why check the cable-to-sensor pairing?

The probe and cable are components of a calibrated 3300 XL transducer system, not independent monitor inputs.

03 MACHINERY APPLICATIONS

Shaft vibration

Senses dynamic gap change for radial vibration monitoring.

Thrust position

Senses static shaft position at an axial target.

Keyphasor event

Provides a non-contacting phase-reference probe signal.

Rotational speed

Supports speed observation when integrated into the approved system.

System pairing checkpoints

Machine target	Conductive shaft or position target
Probe lead	Standard cable and miniature coaxial ClickLoc connector
System pairing	3300 XL extension cable and Proximitior Sensor
Installation thread	3/8-24 UNF probe case

04 PRODUCT PRECAUTIONS

01 CONTROL POINT

Confirm the installed probe identity, unarmored construction and case thread.

02 CONTROL POINT

Match the installed XX, CN and MOD marking to the approved order record.

03 CONTROL POINT

Match the probe, extension cable and Proximator sensor as a system.

04 CONTROL POINT

Avoid excessive case-thread engagement or binding during installation.

05 CONTROL POINT

Seat XL ClickLoc connectors finger-tight until they click.

06 CONTROL POINT

Provide environmental protection at exposed cable connections.

07 CONTROL POINT

Verify target material and system calibration before setting the gap.

08 CONTROL POINT

Confirm a stable output signal during controlled commissioning.

05 ENGINEERING QUESTIONS AND SOURCE

01 Which 3300 XL probe family does this model use?

The 330101 family is the 8 mm probe with 3/8-24 UNF thread and no armor.

01 What quantities can the complete transducer system measure?

The published system supports static position and dynamic vibration measurements.

02 What connector is identified by the standard 02 option?

The published 02 option is a miniature coaxial ClickLoc connector with standard cable.

02 How are two matched XL ClickLoc connectors seated?

Bently Nevada specifies finger-tight assembly until the connectors click.

03 Where does the probe sit in the measurement chain?

It faces the conductive target and connects through an extension cable to a Proximitor Sensor.

03 What calibration target is used by the standard system?

The 3300 XL Proximitor Sensor is factory calibrated to AISI 4140 steel by default.

MANUFACTURER SOURCE RECORD

Bently Nevada, 3300 XL 8 mm Proximity Transducer System Datasheet, 141194 Rev. AN, pp. 1-3, 7-9, 13-14.

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