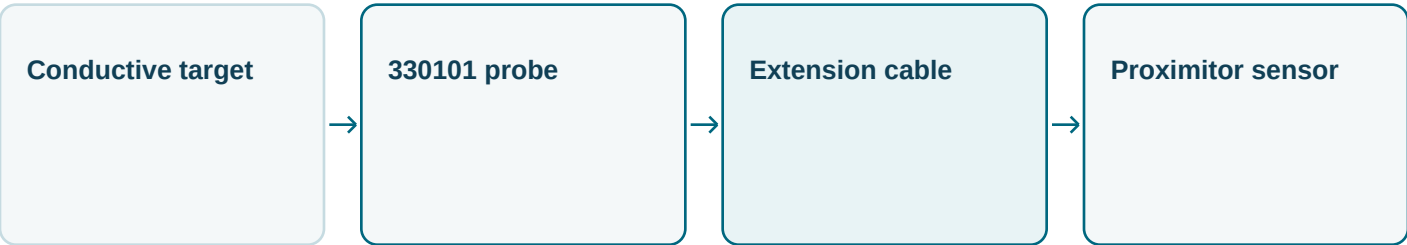


01 PRODUCT IDENTITY

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.



DOCUMENTED IDENTITY AND ORDERING

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

SYSTEM POSITION

The complete 3300 XL 8 mm system combines a probe, extension cable and Proximator Sensor. The sensor output varies with target gap.

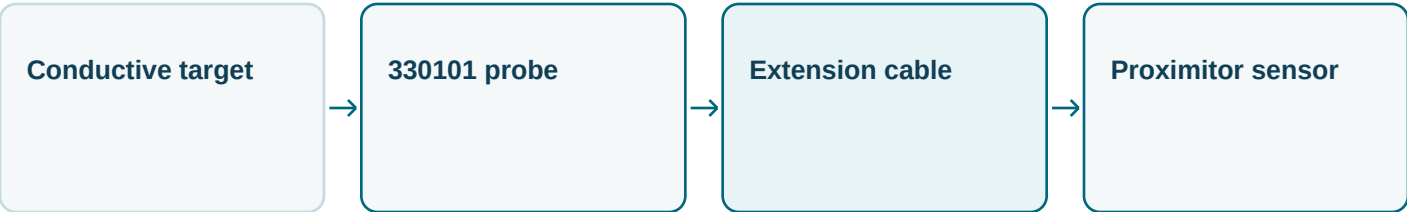
MEASUREMENT ROLE

The system supports static position and dynamic vibration; it can also support Keyphasor reference and speed measurement.

INTEGRATION NOTE

The 330101 probe case uses a 3/8-24 UNF thread. Check thread engagement during installation and protect the ClickLoc junction in the machine environment.

02 SYSTEM AND INTERFACES



Interface / purpose / controlled check

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

ASSEMBLY CHECK

For matched 3300 XL gold ClickLoc connectors, use finger-tight assembly until the locking click. Verify probe, cable, sensor and monitor routing against the installed system record.

REFERENCE CONDITION

The manufacturer publishes system specifications under controlled supply, load, target material and temperature conditions. Evaluate a replacement against the actual configured installation.

03 TECHNICAL DATA

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
System output	Voltage proportional to probe-to-target gap
Reference target	AISI 4140 steel system calibration

Cable connection

The published standard 02 option uses a miniature ClickLoc coaxial connection, not a FluidLoc selection.

System envelope

System linearity and frequency response are characteristics of the matched probe, cable and Proximitor assembly under specified test conditions.

04 INTEGRATION AND SERVICE

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.

Controlled work sequence

STEP 01

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

STEP 02

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

STEP 03

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

STEP 04

Avoid excessive case-thread engagement or binding during installation.

STEP 05

Seat XL ClickLoc connectors finger-tight until they click.

STEP 06

Provide environmental protection at exposed cable connections.

05 ENGINEERING QUESTIONS

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.

02 What connector is identified by the standard 02 option?

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

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.

04 What quantities can the complete transducer system measure?

The published system supports static position and dynamic vibration measurements.

05 How are two matched XL ClickLoc connectors seated?

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

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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