

INDUSTRIAL AUTOMATION PRODUCT

330103-00-03-50-02-05

8 mm Proximity Probe

Bently Nevada 330103-00-03-50-02-05 is a 330103 metric standard-mount 3300 XL 8 mm proximity probe for shaft-relative vibration and position measurement. It uses the documented standard ClickLoc connection within a matched probe, cable and Proximitor Sensor chain.

IDENTITY	VERIFIED VALUE
Manufacturer	Bently Nevada
Complete model	330103-00-03-50-02-05
Product role	8 mm Proximity Probe
System family	Industrial automation
Source record	Baker Hughes / Bently Nevada publication 141194 Rev. AM

DOCUMENT SCOPE

Model identity, official technical data, model-specific applications, precautions, FAQ and controlled acceptance records.

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Technical Specifications

PARAMETER	VERIFIED VALUE
Complete model	330103-00-03-50-02-05
System family	3300 XL 8 mm proximity transducer system
Probe construction	330103 metric standard-mount; unarmored
Mounting format	M10 x 1
Connector option	standard ClickLoc connection
Approval control	05 is the published multiple-approval option; verify the installed marking.
Calibration target	AISI 4140 steel under published conditions
Nominal scale factor	7.87 V/mm (200 mV/mil) for the matched system
Frequency response	0 to 10 kHz, +0/-3 dB under published conditions
Standard probe temperature rating	-52 to +177 deg C

ENGINEERING BOUNDARY

Use 330103-00-03-50-02-05 only in the documented matched 3300 XL 8 mm transducer chain. Verify the exact nameplate, M10 x 1 mounting, standard ClickLoc connection, target material, static gap and channel response before release.

Related Products on Apter Power

MODEL	APTER POWER PAGE
Bently Nevada 03839202	View Bently Nevada 03839202
Bently Nevada 102044-00-18-10-02-00	View Bently Nevada 102044-00-18-10-02-00
Bently Nevada 102045-040-00	View Bently Nevada 102045-040-00
Bently Nevada 102045-040-01-05	View Bently Nevada 102045-040-01-05

System Role and Common Applications

Bently Nevada 330103-00-03-50-02-05 is a 330103 metric standard-mount 3300 XL 8 mm proximity probe for shaft-relative vibration and position measurement. It uses the documented standard ClickLoc connection within a matched probe, cable and Proximitor Sensor chain.

FUNCTION 1
330103 metric standard-mount ordering family

FUNCTION 2
Unarmored probe construction

FUNCTION 3
standard ClickLoc connection

FUNCTION 4
Matched 3300 XL 8 mm signal chain

APPLICATION	ENGINEERING CONTEXT
Radial shaft vibration	Measures shaft-relative vibration through the approved matched transducer chain.
Axial position	Provides static shaft-position input with the approved target and gap.
Keyphasor reference	Supports documented phase and speed reference arrangements.
Machinery protection	Supplies a compatible Bently Nevada monitor channel with the conditioned proximity signal.

ACCEPTANCE DUTY
Confirm identity, interface, companion hardware, configured values and controlled functional response before release.

Engineering Precautions and FAQ

NO.	PRECAUTION
1	Verify the complete 330103-00-03-50-02-05 marking before work.
2	Confirm the M10 x 1 mounting format.
3	Protect the standard ClickLoc connection from impact and contamination.
4	Keep probe and cable routing isolated from damage and electrical interference.
5	Use the documented target material or an approved correction.
6	Match the probe, extension cable and Proximitor Sensor as one system.
7	Set the static gap only with the current manufacturer procedure.
8	Verify polarity, gap voltage and dynamic response before release.

QUESTION	ANSWER
What is Bently Nevada 330103-00-03-50-02-05?	It is a 330103 metric standard-mount 3300 XL 8 mm proximity probe for a matched non-contacting transducer system.
Which mounting format applies to Bently Nevada 330103-00-03-50-02-05?	The official ordering family identifies the M10 x 1 mounting format.
Is Bently Nevada 330103-00-03-50-02-05 armored?	The documented probe construction is unarmored.
Which connector applies to Bently Nevada 330103-00-03-50-02-05?	The ordering code identifies standard ClickLoc connection.

Related Products on Apter Power

MODEL	APTER POWER PAGE
Bently Nevada 102244-22-50-01	View Bently Nevada 102244-22-50-01
Bently Nevada 106765-04	View Bently Nevada 106765-04
Bently Nevada 106765-30	View Bently Nevada 106765-30
Bently Nevada 106M2686-01	View Bently Nevada 106M2686-01
Bently Nevada 107540-01A	View Bently Nevada 107540-01A

FAQ, Related Products and Official Sources

QUESTION	ANSWER
How should the approval suffix on Bently Nevada 330103-00-03-50-02-05 be handled?	05 is the published multiple-approval option; verify the installed marking.
What target reference applies to Bently Nevada 330103-00-03-50-02-05?	Published performance is referenced to the manufacturer-specified AISI 4140 steel target and matched 3300 XL 8 mm chain.
What signal performance applies to Bently Nevada 330103-00-03-50-02-05?	The matched family publishes a nominal 7.87 V/mm scale factor and a 0 to 10 kHz response under the stated test conditions.
What confirms commissioning of Bently Nevada 330103-00-03-50-02-05?	Verify the complete marking, compatible cable and Proximitor Sensor, connector condition, static gap, polarity and dynamic channel response.

MODEL	APTER POWER PAGE
Bently Nevada 107770-03-03	View Bently Nevada 107770-03-03
Bently Nevada 109548-01-P1407030-00100	View Bently Nevada 109548-01-P1407030-00100
Bently Nevada 125065-12	View Bently Nevada 125065-12

MANUFACTURER SOURCE RECORDS

Bently Nevada 3300 XL 8 mm Proximity Transducer System Datasheet - Baker Hughes / Bently Nevada publication 141194 Rev. AM

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