

INDUSTRIAL AUTOMATION PRODUCT

330173-00-06-10-02-00

3300 5 mm metric unarmored proximity probe

Bently Nevada 330173-00-06-10-02-00 is a 3300 5 mm metric unarmored proximity probe in the 3300 5 mm Transducer System. Its complete ordering code identifies the installed mechanical, cable, connector and approval configuration.

IDENTITY	VERIFIED VALUE
Manufacturer	Bently Nevada
Complete model	330173-00-06-10-02-00
Product role	3300 5 mm metric unarmored proximity probe
System family	3300 5 mm Transducer System
Country of origin	USA

DOCUMENT SCOPE

Exact identity, manufacturer-supported technical data, installation checks, applications, precautions and controlled verification records.

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Technical Specifications

PARAMETER	VERIFIED VALUE
Thread	M8 x 1
Armor	None
Unthreaded length	0 mm
Case length	60 mm
Total length	1.0 m
Connector	ClickLoc; standard cable
Approval	None
Recommended gap	1.27 mm
Linear range	2 mm

Model-Specific Engineering Note

ENGINEERING BOUNDARY

Install 330173-00-06-10-02-00 only with the matched 3300 5 mm Transducer System components. Combine the 1.0 m probe lead with the matched extension cable and 3300 XL Proximitor Sensor; system performance remains limited to the 3300 5 mm specification. Record the marking, channel, cable route and target before work, then prove gap voltage and dynamic response before release.

Pre-Installation Checks

NO.	REQUIRED CHECK
1	Verify the complete 330173-00-06-10-02-00 order code from the physical marking.
2	Use only matched 3300 5 mm Transducer System probe, cable and Proximitor Sensor components.
3	Record the existing gap voltage and monitor-channel setup before disturbing the loop.
4	Protect the probe tip, coaxial connectors and cable from impact or contamination.
5	Observe the documented bend radius and do not twist the integral or extension cable.

System Role and Architecture

Bently Nevada 330173-00-06-10-02-00 is a 3300 5 mm metric unarmored proximity probe in the 3300 5 mm Transducer System. Its complete ordering code identifies the installed mechanical, cable, connector and approval configuration.

FUNCTION 1
M8 x 1 compact probe body

FUNCTION 2
1.0 m integral lead

FUNCTION 3
Two-millimeter linear range

FUNCTION 4
ClickLoc connector on standard cable

Common Applications

APPLICATION	ENGINEERING CONTEXT
Radial vibration measurement	Observes shaft-to-probe motion in a matched proximity transducer loop.
Axial position monitoring	Measures controlled thrust or position displacement where the installation geometry is approved.
Keyphasor reference	Supports phase-reference or speed measurement under the manufacturer application guidance.
Machinery protection maintenance	Restores the exact documented component configuration during controlled service work.

CONTROLLED ACCEPTANCE DUTY
Confirm identity, physical interface, companion hardware, configured values and functional response against the installed-system record before release.

Engineering Precautions

NO.	PRECAUTION
1	Verify the complete 330173-00-06-10-02-00 order code from the physical marking.
2	Use only matched 3300 5 mm Transducer System probe, cable and Proximator Sensor components.
3	Record the existing gap voltage and monitor-channel setup before disturbing the loop.
4	Protect the probe tip, coaxial connectors and cable from impact or contamination.
5	Observe the documented bend radius and do not twist the integral or extension cable.
6	Confirm target material and geometry before setting the final gap.
7	Keep connector protection and shielding consistent with the selected order options.
8	Prove static gap, dynamic response and channel alarms before release.

Model-Specific FAQ — Part 1

QUESTION	ANSWER
What product family must be matched with 330173-00-06-10-02-00?	Use only components from the documented 3300 5 mm Transducer System.
Which order-code identity must be recorded for 330173-00-06-10-02-00?	Record the complete code, not only the base series number.
What target condition must be verified before gapping 330173-00-06-10-02-00?	Verify material, surface geometry and the approved measurement location.
What must be preserved before removing 330173-00-06-10-02-00?	Record gap voltage, channel configuration, cable route and connector condition.

Model-Specific FAQ — Part 2

QUESTION	ANSWER
May its cable be shortened or spliced in service for 330173-00-06-10-02-00?	No unapproved shortening or splicing should be used; maintain the documented system length.
How should the coaxial connection be protected on 330173-00-06-10-02-00?	Keep it clean, dry and protected with the documented connector arrangement.
What commissioning checks are required for 330173-00-06-10-02-00?	Verify identity, continuity, gap voltage, dynamic response and monitor-channel diagnostics.
What evidence should be retained after installing 330173-00-06-10-02-00?	Retain the order code, installed position, mating components, gap value and functional-test results.

Related Products on Apter Power

MODEL	APTER POWER PAGE
Bently Nevada 330101-00-08-10-01-00	Open product page
Bently Nevada 330101-00-08-10-02-00	Open product page
Bently Nevada 330101-00-08-10-02-05	Open product page
Bently Nevada 330101-00-09-20-02-05	Open product page
Bently Nevada 330101-00-10-10-01-05	Open product page
Bently Nevada 330101-00-10-15-02-05	Open product page
Bently Nevada 330101-00-11-10-11-00	Open product page
Bently Nevada 330101-00-11-20-02-cn	Open product page

MANUFACTURER SOURCE RECORD

3300 5 mm Transducer System Datasheet
Baker Hughes publication 172036 Rev. T

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