

INDUSTRIAL MACHINERY MONITORING PRODUCT

330905-0-25-05-02-IN

3300 XL NSv Metric Proximity Probe

Bently Nevada 330905-0-25-05-02-IN is an unarmored M10 x 1 NSv probe with a 250 mm case, 0.5 m total length and a standard ClickLoc connector without protector. The IN suffix is a country-specific ordering option identified in the manufacturer approval guide.

IDENTITY	VERIFIED VALUE	TRADE	VERIFIED VALUE
Manufacturer	Bently Nevada	Country of origin	USA
Model	330905-0-25-05-02-IN	HS code	8537101190
Product	3300 XL NSv Metric Proximity Probe	Ship from	Xiamen, Fujian, China
Family	3300 XL NSv Proximity Transducer System	Dimensions	

DOCUMENT SCOPE

Exact model identity, supported configuration data, installation checks, applications, precautions and controlled acceptance records.

MODEL-SPECIFIC ENGINEERING NOTE

Check the long 250 mm case for mechanical support and clearance before installing 330905-0-25-05-02-IN. Use the matching extension cable and NSv sensor, then document the exact IN marking and final channel response.

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Verified Product Record

PARAMETER	VERIFIED VALUE
Country of origin	USA
HS code	8537101190
Ship from	Xiamen, Fujian, China
Probe thread	M10 x 1
Armor	None
Unthreaded length	0 mm
Overall case length	250 mm
Total length	0.5 m
Connector option	Standard ClickLoc without protector
Country option	IN

Installation Boundary

ENGINEERING BOUNDARY

Check the long 250 mm case for mechanical support and clearance before installing 330905-0-25-05-02-IN. Use the matching extension cable and NSv sensor, then document the exact IN marking and final channel response.

CHECK	REQUIRED RECORD
Identity	330905-0-25-05-02-IN
Installed arrangement	Position, mating hardware, cable and termination
Configuration	Associated module or monitor channel
Acceptance	Diagnostics and controlled functional proof

SOURCE BOUNDARY

Baker Hughes publications 147385 Rev. R and 108M1756 Rev. AV. Apply only the exact ordering-code values shown in this document and verify the installed marking before work.

System Role and Verification

Bently Nevada 330905-0-25-05-02-IN is an unarmored M10 x 1 NSv probe with a 250 mm case, 0.5 m total length and a standard ClickLoc connector without protector. The IN suffix is a country-specific ordering option identified in the manufacturer approval guide.

IDENTITY
Record 330905-0-25-05-02-IN from the physical marking.

INTERFACE
Document every mating part, connector and cable before disturbance.

CONFIGURATION
Confirm the associated system and channel using manufacturer records.

ACCEPTANCE
Restore the documented arrangement and prove operation before release.

Controlled Installation Checklist

NO.	CHECK
1	Confirm the exact 330905-0-25-05-02-IN marking and IN approval option.
2	Support the 250 mm case so vibration and handling do not load the mounting thread.
3	Limit M10 x 1 thread engagement to 15 mm.
4	Use the published 11.3 N m recommended torque and remain below the maximum.
5	Cap or otherwise protect the option-02 connector because no protector is supplied.
6	Route the 0.5 m unarmored lead without crushing and above the minimum bend radius.
7	Select the correct extension-cable length to make a documented 5 m or 7 m system.
8	Verify gap, polarity, dynamic response and approval records before release.

Applications and Model-Specific FAQ

DEEP MOUNTING ACCESS

Provides a long metric case for supported probe brackets or machine housings.

AXIAL DISPLACEMENT

Measures static movement with a verified NSv transducer loop.

LOW-SPEED REFERENCE

Supports tachometer or zero-speed measurement under the documented configuration.

REFRIGERATION COMPRESSOR MONITORING

Fits compact-target applications named for the NSv family.

QUESTION	ANSWER
How should the 250 mm body of 330905-0-25-05-02-IN be supported?	Provide alignment and mechanical support that avoids bending load on the long M10 x 1 case.
What probe-thread engagement is allowed for 330905-0-25-05-02-IN?	The M10 x 1 probe thread may engage no more than 15 mm.
Which torque is recommended when securing 330905-0-25-05-02-IN?	Use 11.3 N m as the recommended M10 x 1 probe torque and stay below 33.9 N m.
Does connector code 02 on 330905-0-25-05-02-IN provide a protective cap?	No. It is the standard ClickLoc connector without protector, so keep the end clean and protected by the installation process.
Which extension lengths can complete 330905-0-25-05-02-IN as a standard NSv loop?	A 4.5 m or 6.5 m matching NSv extension cable completes the 0.5 m probe lead to a 5 m or 7 m system.
What must be checked for the IN suffix on 330905-0-25-05-02-IN?	Verify the country-specific approval marking and the current installation requirements; do not infer an approval from the suffix alone.
What voltage span is expected across the linear range of 330905-0-25-05-02-IN?	The matched NSv system is approximately -1 to -13 V over its published 1.5 mm linear range.
Why is target geometry critical for 330905-0-25-05-02-IN?	The published scale factor assumes the specified 4140-steel target size and geometry; other materials or shapes can change response.

Precautions and Related Products

NO.	PRECAUTION
1	Confirm the exact 330905-0-25-05-02-IN marking and IN approval option.
2	Support the 250 mm case so vibration and handling do not load the mounting thread.
3	Limit M10 x 1 thread engagement to 15 mm.
4	Use the published 11.3 N m recommended torque and remain below the maximum.
5	Cap or otherwise protect the option-02 connector because no protector is supplied.
6	Route the 0.5 m unarmored lead without crushing and above the minimum bend radius.
7	Select the correct extension-cable length to make a documented 5 m or 7 m system.
8	Verify gap, polarity, dynamic response and approval records before release.

Related Bently Nevada Products on Apter Power

MODEL	RELATION	APTER POWER PAGE
330904-00-25-05-02-CN	Bently Nevada machinery-monitoring component	Open
330904-01-14-05-02-00	Bently Nevada machinery-monitoring component	Open
330904-08-15-10-02-CN	Bently Nevada machinery-monitoring component	Open
330905-00-05-05-02-CN	Bently Nevada machinery-monitoring component	Open
330905-00-07-10-02-00	Bently Nevada machinery-monitoring component	Open
330905-00-08-10-02-00	Bently Nevada machinery-monitoring component	Open
330905-00-08-10-02-CN	Bently Nevada machinery-monitoring component	Open
330905-00-09-10-02-00	Bently Nevada machinery-monitoring component	Open

MANUFACTURER SOURCE RECORD

3300 XL NSv Proximity Transducer System Datasheet
Baker Hughes publications 147385 Rev. R and 108M1756 Rev. AV

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