

INDUSTRIAL AUTOMATION PRODUCT

330701-00-25-90-02-00

11 mm Proximity Probe

Bently Nevada 330701-00-25-90-02-00 is a 3300 XL 11 mm proximity probe with a 1/2-20 UNF thread, 2.5 in case and 9.0 m total system length. It uses a standard miniature coaxial ClickLoc connection without probe armor.

IDENTITY	VERIFIED VALUE
Manufacturer	Bently Nevada
Complete model	330701-00-25-90-02-00
Product role	11 mm Proximity Probe
System family	Industrial automation
Source record	Baker Hughes / Bently Nevada publication 146256 Rev. T

DOCUMENT SCOPE

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

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330701-00-25-90-02-00

Technical Specifications

PARAMETER	VERIFIED VALUE
Complete model	330701-00-25-90-02-00
Probe family	330701 standard mount, without armor
Probe tip	11 mm
Mounting thread	1/2-20 UNF
Unthreaded length	0.0 in
Overall case length	2.5 in
Total system length	9.0 m
Connector option	Miniature coaxial ClickLoc, standard cable
Agency approval	Not required
Matched-system linear range	4.0 mm (160 mils)
Matched-system scale factor	3.94 V/mm (100 mV/mil), nominal
Matched-system frequency response	0 to 8 kHz, +0/-3 dB typical
Standard probe operating and storage temperature	-52 to +177 deg C

ENGINEERING BOUNDARY

Match the 9 m probe and extension-cable chain to the correct 3300 XL 11 mm Proximity Sensor. Verify the approved target, available linear travel, bracket, cable route and monitor-channel configuration before release.

Related Products on Apter Power

MODEL	APTER POWER PAGE
Bently Nevada 133827-01	View Bently Nevada 133827-01
Bently Nevada 134652-01	View Bently Nevada 134652-01
Bently Nevada 135137-01	View Bently Nevada 135137-01
Bently Nevada 135473-01	View Bently Nevada 135473-01

System Role and Common Applications

Bently Nevada 330701-00-25-90-02-00 is a 3300 XL 11 mm proximity probe with a 1/2-20 UNF thread, 2.5 in case and 9.0 m total system length. It uses a standard miniature coaxial ClickLoc connection without probe armor.

FUNCTION 1
11 mm non-contact probe tip

FUNCTION 2
1/2-20 UNF threaded mounting

FUNCTION 3
9.0 m matched transducer length

FUNCTION 4
4.0 mm published system range

APPLICATION	ENGINEERING CONTEXT
Axial position	Uses the longer system range for approved thrust-position measurement.
Ramp differential expansion	Measures documented ramp travel on steam turbines.
Rod position	Supports approved rod-position or rod-drop monitoring.
Speed reference	Supports documented tachometer and zero-speed applications.

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 330701-00-25-90-02-00 marking.
2	Confirm the 1/2-20 UNF thread and 2.5 in case.
3	Preserve the complete 9.0 m probe and extension-cable chain.
4	Protect the 11 mm tip and ClickLoc connector.
5	Verify the target area supports the required linear range.
6	Check bracket rigidity and tip separation from adjacent probes.
7	Set and record the static gap with the current procedure.
8	Verify static position and dynamic response before release.

QUESTION	ANSWER
What is Bently Nevada 330701-00-25-90-02-00?	It is a 3300 XL 11 mm standard-mount probe with a 1/2-20 UNF thread and no armor.
What lengths are encoded in Bently Nevada 330701-00-25-90-02-00?	The code specifies 0.0 in unthreaded length, a 2.5 in overall case and a 9.0 m total system length.
Which connector is used by Bently Nevada 330701-00-25-90-02-00?	Option 02 specifies the miniature coaxial ClickLoc connector with standard cable.
Which approval applies to Bently Nevada 330701-00-25-90-02-00?	The final 00 option specifies that agency approval is not required.

Related Products on Apter Power

MODEL	APTER POWER PAGE
Bently Nevada 135613-01	View Bently Nevada 135613-01
Bently Nevada 135613-01-01	View Bently Nevada 135613-01-01
Bently Nevada 135826-01	View Bently Nevada 135826-01
Bently Nevada 136188-01	View Bently Nevada 136188-01
Bently Nevada 136294-01	View Bently Nevada 136294-01

FAQ, Related Products and Official Sources

QUESTION	ANSWER
What is the matched-system range for Bently Nevada 330701-00-25-90-02-00?	The official 3300 XL 11 mm system publishes a 4.0 mm linear range.
What scale factor applies to Bently Nevada 330701-00-25-90-02-00?	The matched 11 mm system uses a nominal incremental scale factor of 3.94 V/mm (100 mV/mil).
What response band applies to Bently Nevada 330701-00-25-90-02-00?	The official matched system publishes a 0 to 8 kHz typical frequency response with approved field wiring.
What confirms commissioning of Bently Nevada 330701-00-25-90-02-00?	The 9 m chain, mechanical mounting, target, static gap and channel response must agree with the approved record.

MODEL	APTER POWER PAGE
Bently Nevada 136703-01	View Bently Nevada 136703-01
Bently Nevada 136711-01	View Bently Nevada 136711-01
Bently Nevada 136711-02	View Bently Nevada 136711-02
Bently Nevada 138708-01	View Bently Nevada 138708-01
Bently Nevada 139554-01	View Bently Nevada 139554-01
Bently Nevada 140471-02	View Bently Nevada 140471-02
Bently Nevada 140482-01	View Bently Nevada 140482-01
Bently Nevada 143493-00-080-040-50-00	View Bently Nevada 143493-00-080-040-50-00
Bently Nevada 144181-51	View Bently Nevada 144181-51

MANUFACTURER SOURCE RECORDS

Bently Nevada 3300 XL 11 mm Proximity Transducer System Datasheet - Baker Hughes / Bently Nevada publication 146256 Rev. T

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