

Bently Nevada 330851-02-000-080-90-01-05

Complete Product Information

Bently Nevada 330851-02-000-080-90-01-05 configures the extended-range 25 mm probe for differential-expansion service with an M30 x 2 case.

WHAT THIS PRODUCT DOES

Bently Nevada 330851-02-000-080-90-01-05 is an M30 x 2 threaded 3300 XL 25 mm probe with a 80 mm case, a 9.0 m total length and sst armor.

Product characteristic 1 Uses the M30 x 2 metric case type defined for the 25 mm probe family.	Product characteristic 2 Provides a 80 mm case with no unthreaded section.
Product characteristic 3 Carries a 9.0 m lead for the selected 25 mm system length.	Product characteristic 4 Uses sst armor and the multiple-approval execution.

PRODUCT-PAGE TECHNICAL SNAPSHOT

Probe family	3300 XL 25 mm
Case type	M30 x 2 threaded
Unthreaded length	0 mm
Case length	80 mm

IMPORTANT NOTICE

Match the entire 330851-02-000-080-90-01-05 ordering string before installation. Perform a controlled movement check and record scale, direction, gap voltage and diagnostics.

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Features and technical data

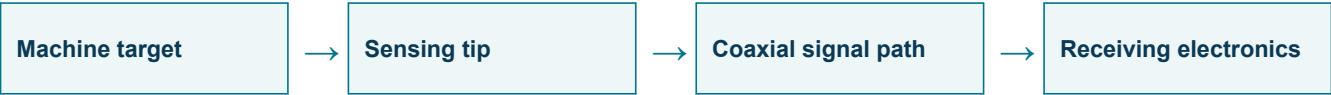
TECHNICAL DATA SHOWN ON THE PRODUCT PAGE

Probe family	3300 XL 25 mm
Case type	M30 x 2 threaded
Unthreaded length	0 mm
Case length	80 mm
Total length	9.0 m
Armor	SST armor
Approval option	Multiple approvals
System linear range	12.7 mm / 500 mil, complete matched system

FEATURE INTERPRETATION

Product identity Uses the M30 x 2 metric case type defined for the 25 mm probe family.	System role Provides a 80 mm case with no unthreaded section.
Service context Carries a 9.0 m lead for the selected 25 mm system length.	Return-to-service focus Uses sst armor and the multiple-approval execution.

SIGNAL OR CONTROL PATH



The 25 mm system is used for turbine differential-expansion measurements. Probe, extension cable, Proximitor sensor, target geometry and system length must remain matched.

PRODUCT-PAGE TECHNICAL QUESTIONS

Which case thread is used by 330851-02-000-080-90-01-05?	Case option 02 is M30 x 2.
What case length is specified in 330851-02-000-080-90-01-05?	The 080 option specifies 80 mm.
What system-length contribution is selected by segment 90 in 330851-02-000-080-90-01-05?	The 90 option specifies a 9.0 m total length.

Common applications

The application groups below reproduce the model-specific uses presented on the product page and connect each use to a practical verification point.

Steam-turbine differential expansion Measures rotor-to-casing growth on medium and large turbine generators.	Turbine supervisory instrumentation Feeds a long-range displacement signal into the TSI monitoring channel.
Large-motion position sensing Uses the 25 mm system range where shorter-range probes are insufficient.	Commissioning movement check Supports controlled target or probe movement to prove scale, direction and channel response.

APPLICATION VERIFICATION MAP

Steam-turbine differential expansion	Confirm the documented system position and the required operating function.
Turbine supervisory instrumentation	Compare the restored connection or control path with the approved record.
Large-motion position sensing	Check the physical interface and the retained configuration before startup.
Commissioning movement check	Record diagnostics and the final controlled response before release.

INFORMATION CARRIED INTO THE WORK RECORD

Identity record Complete marking and assigned system position.	Connection record Connector, conductor and interface arrangement as found.
Configuration record Controlled settings, application data and option state.	Acceptance record Observed status, response and release decision.

IMPORTANT NOTICE

Use the complete product identifier for every application review; a related product link is not evidence of interchangeability.

APPLICATION QUESTIONS

What system-length contribution is selected by segment 90 in 330851-02-000-080-90-01-05?	The 90 option specifies a 9.0 m total length.
Is 330851-02-000-080-90-01-05 armored?	Yes. Option 01 selects stainless-steel armor.
Why is the 000 field zero on the threaded 330851-02-000-080-90-01-05 case?	It specifies 0 mm unthreaded length for the threaded metric case.

Product precautions and questions

EIGHT MODEL-SPECIFIC PRECAUTIONS

- 01 Match the entire 330851-02-000-080-90-01-05 ordering string before installation.
- 02 Use only a matched 3300 XL 25 mm probe, extension cable and Proximito sensor.
- 03 Verify the M30 x 2 mounting thread and the selected case reach.
- 04 Protect the large sensing face from impact and keep the target path clear through the full movement range.
- 05 Maintain the documented total electrical length; do not shorten or splice the probe lead.
- 06 Route and support the cable so it cannot pull the probe out of alignment.
- 07 Set the initial gap for the approved differential-expansion geometry.
- 08 Perform a controlled movement check and record scale, direction, gap voltage and diagnostics.

FREQUENTLY ASKED TECHNICAL QUESTIONS

Which case thread is used by 330851-02-000-080-90-01-05?	Case option 02 is M30 x 2.
What case length is specified in 330851-02-000-080-90-01-05?	The 080 option specifies 80 mm.
What system-length contribution is selected by segment 90 in 330851-02-000-080-90-01-05?	The 90 option specifies a 9.0 m total length.
Is 330851-02-000-080-90-01-05 armored?	Yes. Option 01 selects stainless-steel armor.

IMPORTANT NOTICE

Match the entire 330851-02-000-080-90-01-05 ordering string before installation. Perform a controlled movement check and record scale, direction, gap voltage and diagnostics.

RELEASE CHECKLIST

Identity accepted	The complete product marking and assigned system position agree.
Interfaces accepted	Connections, retention and controlled configuration match the recorded condition.
Response accepted	Diagnostics and the intended technical response have been documented.

FAQ, source record and related models

ADDITIONAL TECHNICAL QUESTIONS

Why is the 000 field zero on the threaded 330851-02-000-080-90-01-05 case?	It specifies 0 mm unthreaded length for the threaded metric case.
Which approval option is built into 330851-02-000-080-90-01-05?	The terminal 05 selects multiple approvals.
What receiving system is required for 330851-02-000-080-90-01-05?	Use the matched 9 m 3300 XL 25 mm Proximity system and compatible extension arrangement.
How should the nine-metre 25 mm channel be proved after fitting 330851-02-000-080-90-01-05?	Move the target or probe through a controlled interval and confirm the expected differential-expansion scale and direction.

MANUFACTURER EVIDENCE RECORD

Manufacturer source	Bently Nevada 3300 XL 25 mm Proximity Transducer System Datasheet 163236 Rev. M.
Evidence boundary	Technical statements are limited to the identified product or applicable manufacturer family.
Selection control	Use the complete ordering string and verify the installed system before purchase or installation.

RELATED MODELS ON APTERPOWER

Bently Nevada 330102-00-12-10-01-05	Related product reference. Review the complete ordering string before selection.
Bently Nevada 330851-02-000-040-10-00-05	Related product reference. Compare the required interface and system position.
Bently Nevada 330173-00-05-10-02-00	Related product reference. Confirm the execution independently for the intended task.

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