Bently Nevada 330851-01-000-030-10-00-05

Apter Power complete product information

Bently Nevada 330851-01-000-030-10-00-05 is a 3300 XL 25 mm differential-expansion probe with a 1 1/4-12 threaded case, 3.0 in overall case, and 1.0 m lead.

01 / Product role

The 3300 XL 25 mm probe observes a turbine rotor collar or ramp in a differential-expansion measurement system.

Parameter	Selected configuration
Probe tip	25 mm
Case thread	1 1/4-12
Unthreaded length	0.0 in
Case length	3.0 in

Installed-system context

Context	Verified use
Turbine context	This 25 mm probe is a component in a 3300 XL differential-expansion measurement on steam-turbine machinery.
Compatibility scope	Use a documented collar or ramp arrangement with matched 25 mm transducer components and appropriate mechanical travel.

02 / Exact ordered configuration

Parameter	Selected configuration
Probe tip	25 mm
Case thread	1 1/4-12
Unthreaded length	0.0 in
Case length	3.0 in
Integral lead	1.0 m
Lead armor	none
Agency approvals	multiple approvals
Intended system role	differential expansion

Option relationship

The selected 01 case is threaded 1 1/4-12. Options 000 and 030 select zero unthreaded length and a 3.0 in overall case.

Code 10 gives a 1.0 m probe lead; 00 selects no separate armor and 05 selects multiple approvals. The probe still needs its matching extension cable and Proximitor sensor.

Technical reference: Bently Nevada 3300 XL 25 mm Proximity Transducer System, 163236 Rev. M.

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03 / Applications and compatibility

Documented uses

Use	Engineering context
Same-side collar	Two probes may view the same side of a collar for redundant differential-expansion readings.
Opposite-side collar	A complementary pair can observe opposing collar faces when the monitoring arrangement supports it.
Ramp target	A documented ramp arrangement can extend the measured travel with its stated movement-compensation limits.
Service identification	Retain the 01-000-030-10-00-05 configuration when matching the probe to a turbine bracket.

The complete 25 mm system uses two transducers in documented differential-expansion arrangements. Target geometry and selected mounting method determine acceptance.

Technical questions

Question	Engineering answer
What turbine measurement uses 330851-01-000-030-10-00-05?	It is a 3300 XL 25 mm probe used in a differential-expansion transducer arrangement.
What thread does 330851-01-000-030-10-00-05 use?	Option 01 selects a 1 1/4-12 threaded case.
How long is the case on 330851-01-000-030-10-00-05?	The 030 option specifies a 3.0 in overall case.

04 / Installation precautions

Check	Action
Machine isolation	Secure the turbine and probe mount before moving or replacing the sensor.
Case thread	Check the 1 1/4-12 mount and locknut against the actual adapter.
Target choice	Confirm collar or ramp size and expected axial movement before final gap setting.
Connector care	Protect the high-temperature ClickLoc connection from contamination.
System match	Use matched 25 mm probe, extension cable and Proximitor components.
Travel verification	Move the mounted probe through the intended range to confirm response during commissioning.

Technical notes

Topic	Explanation
Installed role	This configured probe belongs to the 3300 XL 25 mm differential-expansion transducer chain.
System boundary	The system range and scale factor apply only with the matched cable and Proximitor sensor.

Technical questions

Question	Engineering answer
Does 330851-01-000-030-10-00-05 include an unthreaded section?	Option 000 selects a 0.0 in unthreaded section.
What lead length does 330851-01-000-030-10-00-05 select?	Code 10 selects a 1.0 m integral lead.
Does 330851-01-000-030-10-00-05 use separate lead armor?	Code 00 selects no separate stainless steel armor.

05 / Supply and service reference

Question	Engineering answer
Which approval option is on 330851-01-000-030-10-00-05?	The final 05 is the multiple-approvals selection in the 163236 order matrix.
Can 330851-01-000-030-10-00-05 be used by itself as a complete transducer?	No. A matched extension cable and 3300 XL 25 mm Proximitor sensor are also required.

Available unit

Bently Nevada 330851-01-000-030-10-00-05; Condition: New, original product. Confirm the 25 mm probe, locknut and any separately supplied cable, sensor and sliding-bracket accessories in the quotation.

Related product references

Related product	Selection note
Bently Nevada 330851-02-000-060-10-00-00	Separate catalogue reference
Bently Nevada 330851-02-000-030-10-00-00	Separate catalogue reference
Bently Nevada 330101-00-10-10-02-00	Separate catalogue reference
Bently Nevada 330101-00-20-10-02-00	Separate catalogue reference
Bently Nevada 330101-00-08-05-02-00	Separate catalogue reference
Bently Nevada 330801-28-20-050-03-02	Separate catalogue reference
Bently Nevada 330880-01-20-058-03-02	Separate catalogue reference
Bently Nevada 330880-00-00-000-03-02	Separate catalogue reference

Technical reference: Bently Nevada 3300 XL 25 mm Proximity Transducer System, 163236 Rev. M.