

330851-02-000-060-50-00-05

25 mm Probe

It is an M30 x 2 unarmored 3300 XL 25 mm probe with a 60 mm case, 5.0 m lead and multiple approvals.

Manufacturer	Bently Nevada
Product family	3300 XL 25 mm proximity transducer system
Complete model	330851-02-000-060-50-00-05
Source record	163236 Rev. M

RELATED PRODUCTS ON APTER POWER

01	Bently Nevada 330104-01-09-50-02-05	OPEN
02	Bently Nevada 330104-01-15-50-02-05	OPEN
03	Bently Nevada 330104-01-11-50-02-05	OPEN
04	Bently Nevada 130539-15	OPEN
05	Bently Nevada 21000-16-10-00-030-00-02	OPEN
06	Bently Nevada 21504-000-012-05-02	OPEN

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Exact-model technical record

Complete model	330851-02-000-060-50-00-05	Approval option	Multiple approvals
Manufacturer	Bently Nevada	Linear range	12.7 mm (500 mils)
Product family	3300 XL 25 mm proximity transducer system	Scale factor	0.787 V/mm (20 mV/mil)
Probe thread	M30 x 2	Frequency response	0 to 2.7 kHz
Unthreaded length	0 mm	Recommended nominal gap	7.0 mm (275 mils)
Overall case length	60 mm	Minimum target diameter	61 mm
Total probe length	5.0 m	Cable type	FluidLoc
Armor option	No armor		

OFFICIAL SOURCE COVERAGE

Source 1	3300 XL 25 mm Proximity Transducer System Datasheet — Ordering Information, 163236 Rev. M
Source 2	3300 XL 25 mm Proximity Transducer System Datasheet — Specifications, 163236 Rev. M
Source 3	3300 XL 25 mm Proximity Transducer System Datasheet — Description and ordering notes, 163236 Rev. M

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System role and applications

Large-range displacement

Measures non-contacting movement across the published 12.7 mm linear range.

Thrust position

Tracks axial position with the documented target and gap geometry.

Differential expansion

Supports large-range expansion measurement in an engineered installation.

Exact 25 mm probe renewal

Preserves thread, case, lead, armor and approval identity.

ENGINEERING BOUNDARY

Verify 330851-02-000-060-50-00-05, the M30 x 2 mounting, 60 mm case, 5.0 m matched system, target diameter and approval record before replacement.

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Model-specific engineering questions

Q1. What certification check belongs to Bently Nevada 330851-02-000-060-50-00-05?

The 05 ending carries the multiple-approval identity, which must agree with the hazardous-area documents for the installed machine.

Q2. How do the M30 x 2 thread and 60 mm case affect replacement clearance?

The bracket, locknuts, and withdrawal path must accept the M30 x 2 body, zero unthreaded length, and 60 mm case without moving the target reference.

Q3. Why must the full 5.0 m length remain intact on Bently Nevada 330851-02-000-060-50-00-05?

The unarmored FluidLoc cable is part of the matched 25 mm transducer arrangement; shortening, splicing, or substituting it changes the system.

Q4. Which target-diameter check precedes gapping of Bently Nevada 330851-02-000-060-50-00-05?

Confirm at least 61 mm of suitable conductive target surface and the required alignment before setting the probe position.

SOURCE IDENTIFIER

163236 Rev. M

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Acceptance reference and related products

Q5. What nominal position centers the approved 25 mm probe system?

Use approximately 7.0 mm (275 mils) as the nominal gap while ensuring the actual operating travel remains inside the linear region.

Q6. How is the 12.7 mm range verified without disturbing the approval installation?

Move the target under controlled conditions and confirm a continuous response across the required portion of the 12.7 mm (500 mil) range.

RELATED PRODUCTS ON APTER POWER

01	Bently Nevada 21000-16-10-00-030-00-02	OPEN
02	Bently Nevada 21504-000-012-05-02	OPEN
03	Bently Nevada 330909-00-60-10-02-00	OPEN
04	Bently Nevada 330707-00-10-10-02-00	OPEN
05	Bently Nevada 21504-012-032-10-02	OPEN
06	Bently Nevada 21505-00-59-10-02	OPEN
07	Bently Nevada 21505-00-40-10-02	OPEN
08	Bently Nevada 330102-24-72-10-02-00	OPEN
09	Bently Nevada 330881-28-10-090-03-02	OPEN
10	Bently Nevada 130539-72	OPEN
11	Bently Nevada 130539-50	OPEN
12	Bently Nevada 130539-35	OPEN

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