

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

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 no approvals.

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

RELATED PRODUCTS ON APTER POWER

01	Bently Nevada 130938-04-10-01	OPEN
02	Bently Nevada 102044-00-48-10-05	OPEN
03	Bently Nevada 102046-50	OPEN
04	Bently Nevada 102045-040-00-05	OPEN
05	Bently Nevada 31000-28-05-00-061-01-02	OPEN
06	Bently Nevada 21000-16-10-00-120-04-02	OPEN

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Exact-model technical record

Complete model	330851-02-000-060-50-00-00	Approval option	No 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 330851-02-000-060-50-00-00, 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. Which mounting profile must match Bently Nevada 330851-02-000-060-50-00-00?

The probe uses an M30 x 2 thread, no unthreaded section, and a 60 mm overall case; all three details control its installed position.

Q2. How should the 5.0 m FluidLoc lead be protected on Bently Nevada 330851-02-000-060-50-00-00?

Route the unarmored lead away from abrasion and strain, preserve its bend radius, and keep the coaxial interface sealed and clean.

Q3. What does the final 00 option mean for Bently Nevada 330851-02-000-060-50-00-00?

It specifies no approval option, so this exact probe must not be placed where the project requires the separately approved 05 variant.

Q4. What target surface is needed for the 330851-02-000-060-50-00-00 probe?

Use the documented conductive target with at least 61 mm diameter and maintain the engineered alignment throughout the measurement travel.

SOURCE IDENTIFIER

163236 Rev. M

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Acceptance reference and related products

Q5. How much linear displacement can this 25 mm system cover?

The matched probe and Proximitor Sensor provide a 12.7 mm (500 mil) linear range.

Q6. Where should Bently Nevada 330851-02-000-060-50-00-00 be initially gapped?

Begin near the 7.0 mm (275 mil) nominal gap, then refine the setting using stable voltage and the required travel window.

RELATED PRODUCTS ON APTER POWER

01	Bently Nevada 31000-28-05-00-061-01-02	OPEN
02	Bently Nevada 21000-16-10-00-120-04-02	OPEN
03	Bently Nevada TP100	OPEN
04	Bently Nevada 03839202	OPEN
05	Bently Nevada 136719-01-304719	OPEN
06	Bently Nevada 31000-31-05-20-080-00-02	OPEN
07	Bently Nevada 31000-31-05-20-058-00-02	OPEN
08	Bently Nevada 330101-10-44-05-02-05	OPEN
09	Bently Nevada 330102-37-78-10-02-05	OPEN
10	Bently Nevada 330101-15-27-05-02-05	OPEN
11	Bently Nevada 330130-085-12-00	OPEN
12	Bently Nevada 330101-00-25-05-11-00	OPEN

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