

## APTER POWER

COMPLETE PRODUCT INFORMATION

# 330851-06-000-070-10-00-05

### 25 mm Probe

Bently Nevada 330851-06-000-070-10-00-05 is an unarmored M39 x 1.5 3300 XL 25 mm probe with a 70 mm case, 1.0 m lead and multiple agency approvals.

#### PRODUCT SNAPSHOT

##### BRAND

Bently Nevada

##### FAMILY

3300 XL 25 mm Proximity Transducer System

##### PART

330851-06-000-070-10-00-05

##### PRODUCT TYPE

25 mm Probe

#### APTER POWER SALES TEAM

##### WHATSAPP / PHONE

+86 180 3023 5313

##### EMAIL

sales13@apterpower.com

##### WEBSITE

www.apterpower.com



## PRODUCT OVERVIEW

Bently Nevada 330851-06-000-070-10-00-05 is an unarmored M39 x 1.5 3300 XL 25 mm probe with a 70 mm case, 1.0 m lead and multiple agency approvals.

1

Provides the 25 mm long-range transducer function

2

Uses an M39 x 1.5 threaded case

3

Retains a 1.0 m unarmored lead

4

Carries the documented approval option

## SYSTEM COMPONENTS

matched 3300 XL 25 mm extension cable

compatible 3300 XL 25 mm Proximitor Sensor

approved large target surface

configured position channel

### TECHNICAL NOTE

Verify the 61 mm minimum target, M39 x 1.5 mounting, 70 mm case, system length, gap and matched 25 mm Proximitor Sensor before release.



## TECHNICAL DATA

| PARAMETER               | VALUE             |
|-------------------------|-------------------|
| probe family            | 3300 XL 25 mm     |
| mounting thread         | M39 x 1.5         |
| unthreaded length       | 0 mm              |
| overall case length     | 70 mm             |
| total probe-lead length | 1.0 m             |
| armor option            | 00, without armor |

| PARAMETER                | VALUE                  |
|--------------------------|------------------------|
| agency-approval option   | 05, multiple approvals |
| linear measurement range | 12.7 mm (500 mils)     |
| incremental scale factor | 0.787 V/mm (20 mV/mil) |
| frequency response       | 0 to 2.7 kHz           |
| minimum target diameter  | 61 mm                  |

### ENGINEERING NOTE

Verify the 61 mm minimum target, M39 x 1.5 mounting, 70 mm case, system length, gap and matched 25 mm Proximito Sensor before release.

### RELATED BENTLY NEVADA PRODUCTS ON APTER POWER

| BRAND + MODEL       | RELATED PRODUCT                  | APTER POWER LINK                        |
|---------------------|----------------------------------|-----------------------------------------|
| Honeywell SC UCN11  | Bently Nevada monitoring product | <a href="#">Open Bently Nevada page</a> |
| Honeywell MU TSIM12 | Bently Nevada monitoring product | <a href="#">Open Bently Nevada page</a> |
| Honeywell CC TUIO31 | Bently Nevada monitoring product | <a href="#">Open Bently Nevada page</a> |
| Honeywell 10311 2 1 | Bently Nevada monitoring product | <a href="#">Open Bently Nevada page</a> |
| ABB SPA ZC 402      | Bently Nevada monitoring product | <a href="#">Open Bently Nevada page</a> |
| ABB SPA ZC 400      | Bently Nevada monitoring product | <a href="#">Open Bently Nevada page</a> |



# APPLICATIONS & PRECAUTIONS

## COMMON APPLICATIONS

### Large-range axial position

Provides the 25 mm long-range transducer function

### Differential expansion

Uses an M39 x 1.5 threaded case

### Long-range displacement measurement

Retains a 1.0 m unarmored lead

### Exact 25 mm probe replacement

Carries the documented approval option

## MORE RELATED BENTLY NEVADA PRODUCTS

### Allen-Bradley 1794 OB8EP

Bently Nevada product - [open page](#)

### Allen-Bradley 1785 PFB

Bently Nevada product - [open page](#)

### Allen-Bradley 1756 L62S

Bently Nevada product - [open page](#)

### Allen-Bradley 1785 ME32

Bently Nevada product - [open page](#)

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## PRODUCT PRECAUTIONS

- 1 Verify the complete 330851-06-000-070-10-00-05 marking and its assigned 3300 XL 25 mm Proximity Transducer System position before work.
- 2 Place the connected large-range axial position process in the approved maintenance state.
- 3 Isolate the documented power, signal and stored-energy sources before disconnecting the transducer or module.
- 4 Record every connector, cable route, shield, polarity, channel assignment and host configuration before removal.
- 5 Use ESD-safe handling and protect coaxial, terminal and keyed interfaces from contamination or mechanical damage.
- 6 Confirm the installed matched 3300 XL 25 mm extension cable and compatible 3300 XL 25 mm Proximitor Sensor against the approved project record.
- 7 Restore power in a controlled sequence and review transducer, monitor and host diagnostics.
- 8 Prove the intended differential expansion function and retain the final controlled acceptance result.

# ENGINEER FAQ

## Q1 Which probe family identifies Bently Nevada 330851-06-000-070-10-00-05?

3300 XL 25 mm Proximity Transducer System Datasheet documents the probe family as 3300 XL 25 mm. Confirm the complete 330851-06-000-070-10-00-05 marking and the installed-system record before service.

## Q3 How must the unthreaded length of Bently Nevada 330851-06-000-070-10-00-05 be matched?

3300 XL 25 mm Proximity Transducer System Datasheet documents the unthreaded length as 0 mm. Confirm the complete 330851-06-000-070-10-00-05 marking and the installed-system record before service.

## Q5 What does the official record state for the total probe-lead length of Bently Nevada 330851-06-000-070-10-00-05?

3300 XL 25 mm Proximity Transducer System Datasheet documents the total probe-lead length as 1.0 m. Confirm the complete 330851-06-000-070-10-00-05 marking and the installed-system record before service.

## Q7 Which exact agency-approval option distinguishes Bently Nevada 330851-06-000-070-10-00-05?

3300 XL 25 mm Proximity Transducer System Datasheet documents the agency-approval option as 05, multiple approvals. Confirm the complete 330851-06-000-070-10-00-05 marking and the installed-system record before service.

## Q2 What mounting thread is published for Bently Nevada 330851-06-000-070-10-00-05?

3300 XL 25 mm Proximity Transducer System Datasheet documents the mounting thread as M39 x 1.5. Confirm the complete 330851-06-000-070-10-00-05 marking and the installed-system record before service.

## Q4 Which overall case length must technicians retain for Bently Nevada 330851-06-000-070-10-00-05?

3300 XL 25 mm Proximity Transducer System Datasheet documents the overall case length as 70 mm. Confirm the complete 330851-06-000-070-10-00-05 marking and the installed-system record before service.

## Q6 How should the armor option be verified on Bently Nevada 330851-06-000-070-10-00-05?

3300 XL 25 mm Proximity Transducer System Datasheet documents the armor option as 00, without armor. Confirm the complete 330851-06-000-070-10-00-05 marking and the installed-system record before service.

## Q8 What linear measurement range is used when commissioning Bently Nevada 330851-06-000-070-10-00-05?

3300 XL 25 mm Proximity Transducer System Datasheet documents the linear measurement range as 12.7 mm (500 mils). Confirm the complete 330851-06-000-070-10-00-05 marking and the installed-system record before service.

**SOURCE** 3300 XL 25 mm Proximity Transducer System Datasheet | 163236 Rev. M

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