

330850-91-00

3300 XL 25 mm Proximitior Sensor, 9 m DIN Mount

Bently Nevada 330850-91-00 is a 3300 XL 25 mm Proximitior Sensor for a 9.0 m system, DIN-rail mounting and approval option 00.

PRODUCT SNAPSHOT

BRAND

Bently Nevada

FAMILY

Bently Nevada 3300 XL 25 mm

PART

330850-91-00

DOCUMENT STATUS

Controlled engineering copy

APTER POWER

WHATSAPP / PHONE

+86 180 3023 5313

WEBSITE

www.apterpower.com



PRODUCT OVERVIEW

330850-91-00 conditions one matched 9 m 3300 XL 25 mm proximity-transducer chain for wide-range non-contact displacement measurement.



9.0 m matched system length



DIN-rail Proximitor mounting



12.7 mm nominal linear range



0.787 V/mm nominal scale factor

SYSTEM COMPONENTS

DOCUMENTED COMPONENT	ROLE IN SYSTEM
330850-91-00 product assembly	Matched host system
Documented field interfaces	Approved configuration record

ENGINEERING CONTEXT

The Proximitor Sensor must remain matched to the 25 mm probe, extension cable, target and monitor channel. Commissioning verifies total electrical length, DIN mounting, option 00, static gap, polarity, scale factor and full-range response.

TECHNICAL DATA

PARAMETER	VALUE	PARAMETER	VALUE
Product family	3300 XL 25 mm Proximity Sensor	Linear range	12.7 mm
System length	9.0 m	Linear-range interval	0.63 to 13.33 mm from target
Mounting	DIN rail	Average scale factor	0.787 V/mm nominal
Approval option	00 - no approvals	Best-fit deviation	Less than +/-0.31 mm
Accepted input	One 3300 XL 25 mm probe and extension cable	Field wiring	16 to 24 AWG three-conductor shielded triad recommended
Supply without barriers	-17.5 to -26 Vdc, 12 mA maximum	Maximum monitor cable	305 m
Supply with barriers	-23 to -26 Vdc	Factory target	AISI 4140 steel, 61 mm minimum diameter
Output resistance	50 ohm		

RELATED GE PRODUCT PAGES

- 1

Bently Nevada
330103-00-12-10-01-00
- 2

Bently Nevada
330104-00-04-10-02-05
- 3

Bently Nevada
330104-00-12-10-02-00
- 4

Bently Nevada
330104-03-06-10-02-00
- 5

Bently Nevada
330104-06-12-10-02-00
- 6

Siemens 6au1435-2ad00-0aa0
- 7

Bently Nevada
330101-00-08-05-02-05
- 8

Bently Nevada
330101-00-20-20-02-cn
- 9

Bently Nevada
330103-00-04-10-02-00

TECHNICAL NOTE

Use 330850-91-00 only with a matched 9 m 3300 XL 25 mm probe/extension-cable chain and DIN mounting. Option 00 is no approvals. Confirm target material, gap, polarity, shield and monitor scaling before release.

APPLICATIONS & PRECAUTIONS

COMMON APPLICATIONS

Differential expansion

Measures large turbine rotor/casing growth.

Rotor position

Provides wide-range non-contact displacement.

DIN-rail monitor panels

Fits the documented 9 m system panel.

Matched-system replacement

Preserves probe, extension cable and Proximitor identity.

PRODUCT PRECAUTIONS

1

Confirm 330850-91-00 and the 9 m DIN-mount/no-approval ordering codes.

2

Place the turbine and protection channel in the approved maintenance state.

3

Isolate monitor power and record bias, polarity, scaling and alarm settings.

4

Confirm probe plus extension cable equals the 9 m system length.

5

Protect ClickLoc/coaxial connections and preserve shielding and grounding.

6

Restore DIN mounting, field wiring, target material and initial gap.

7

Review bias and channel diagnostics after controlled energization.

8

Traverse the documented range and record scale, polarity and alarm response before release.

ENGINEER FAQ

Q1 How is the exact 330850-91-00 execution identified? Decode 91 as 9 m system length with DIN mounting and 00 as no approvals.	Q2 What documented function does 330850-91-00 perform? It conditions one matched 3300 XL 25 mm proximity probe and extension cable.
Q3 Which installed system must be matched before fitting 330850-91-00? Match the 9 m probe/cable chain, target and monitor channel.	Q4 Which interfaces must be recorded for 330850-91-00? Record DIN mounting, terminals, polarity, shield, bias, scaling and alarms.
Q5 What handling controls apply to 330850-91-00? Isolate the monitor circuit and protect every coaxial connection.	Q6 What must be restored after installing 330850-91-00? Restore the 9 m electrical length, target geometry, static gap and monitor configuration.
Q7 What evidence confirms 330850-91-00 is ready for service? Retain live bias, range traversal, scale-factor and alarm-test results.	Q8 Which manufacturer record supports the 330850-91-00 page? Bently Nevada publication 163236 Rev. L supplies the exact 330850 ordering and system specifications.

RELATED APTER POWER PAGES		
1 Bently Nevada 330103-00-12-10-01-00	2 Bently Nevada 330104-00-04-10-02-05	3 Bently Nevada 330104-00-12-10-02-00
4 Bently Nevada 330104-03-06-10-02-00	5 Bently Nevada 330104-06-12-10-02-00	6 Siemens 6au1435-2ad00-0aa0
7 Bently Nevada 330101-00-08-05-02-05	8 Bently Nevada 330101-00-20-20-02-cn	9 Bently Nevada 330103-00-04-10-02-00

SOURCE

3300 XL 25 mm Proximity Transducer System Datasheet | Bently Nevada publication 163236 Rev. L

+86 180 3023 5313 | sales13@apterpower.com | www.apterpower.com