

APTER POWER

COMPLETE PRODUCT INFORMATION

102044-00-32-10-02

Bently Nevada proximity probe

Non-contact eddy-current proximity signal from the machine shaft to the installed transducer electronics

PRODUCT SNAPSHOT

BRAND

Bently Nevada

FAMILY

Bently Nevada proximity transducer install

PART

102044-00-32-10-02

ORIGIN / HS

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PRODUCT OVERVIEW

Non-contact eddy-current proximity signal from the machine shaft to the installed transducer electronics

1

Uses the exact 102044 configured identity

2

Provides a non-contact eddy-current sensing interface

3

Connects to the installed proximity-transducer electronics

4

Supports controlled model-specific loop replacement

SYSTEM COMPONENTS

Installed matching Proximitor Sensor

Installed cable and connector arrangement

Conductive machine target

Compatible Bently Nevada monitor input

TECHNICAL NOTE

Verify the complete 102044-00-32-10-02 nameplate, installed cable and connector, matched Proximitor Sensor, target material and channel calibration before replacement.

TECHNICAL DATA

PARAMETER	VALUE
Base part number	102044
Configured order code	102044-00-32-10-02

PARAMETER	VALUE
Manufacturer	Bently Nevada

RELATED PRODUCTS ON APTER POWER

MODEL	SYSTEM ROLE	APTER POWER PAGE
21504-000-020-10-02	Related Bently Nevada product	View 21504-000-020-10-02 page
330910-00-16-10-02-00	Related Bently Nevada product	View 330910-00-16-10-02-00 page
330910-00-16-10-01-00	Related Bently Nevada product	View 330910-00-16-10-01-00 page
330910-00-09-10-01-00	Related Bently Nevada product	View 330910-00-09-10-01-00 page
330930-060-04-00	Related Bently Nevada product	View 330930-060-04-00 page
24701-28-05-15-026-03-02	Related Bently Nevada product	View 24701-28-05-15-026-03-02 page
21504-000-020-05-02	Related Bently Nevada product	View 21504-000-020-05-02 page
32000-28-05-05-060-00-02	Related Bently Nevada product	View 32000-28-05-05-060-00-02 page

APPLICATIONS & PRECAUTIONS

COMMON APPLICATIONS

Radial shaft-vibration measurement

Uses the exact 102044 configured identity

Axial position monitoring

Provides a non-contact eddy-current sensing interface

Shaft centerline observation

Connects to the installed proximity-transducer electronics

Legacy proximity-loop service

Supports controlled model-specific loop replacement

PRODUCT PRECAUTIONS

- 1 Verify the complete 102044-00-32-10-02 marking, installed configured construction and assigned measuring point before work.
- 2 Place the monitored machine and its protection channel in the approved maintenance state before disturbing the probe.
- 3 Protect the probe tip and installed configured interface from impact, burrs, contamination and unintended side-view metal.
- 4 Route and support the installed probe lead without sharp bends, crushing, tensile load or contact with hot and moving surfaces.
- 5 Keep every ClickLoc interface clean, dry and fully engaged; preserve connector-protector hardware where supplied.
- 6 Confirm the matched documented Bently Nevada proximity Proximity Sensor, total system length and target material before setting the static gap.
- 7 Maintain the documented probe-tip separation where adjacent channels could create cross-talk.
- 8 Prove gap voltage, polarity, dynamic response and alarm action before returning the protection channel to service.

ENGINEER FAQ

Q1 Does 102044-00-32-10-02 match Installed matching Proximitor Sensor in a Radial shaft-vibration measurement installation?

Verify the complete 102044-00-32-10-02 marking, the documented Bently Nevada proximity transducer installation position and the installed Installed matching Proximitor Sensor before fitting the assembly.

Q3 Which Bently Nevada proximity transducer installation records should be captured before removing 102044-00-32-10-02?

Record the as-found wiring, installed position, active configuration and diagnostic state associated with 102044-00-32-10-02 before disconnection.

Q5 Which Installed cable and connector arrangement condition should be checked when 102044-00-32-10-02 reports an abnormal state?

Check the Installed cable and connector arrangement supply, seating and connection first, then compare channel diagnostics with the recorded 102044-00-32-10-02 baseline.

Q7 What maintenance evidence is required after 102044-00-32-10-02 is used for Shaft centerline observation?

Retain the nameplate record, corrective action, final diagnostics and a controlled shaft centerline observation functional-test result for 102044-00-32-10-02.

Q2 How should 102044-00-32-10-02 be wired when it must uses the exact 102044 configured identity?

Isolate the circuit, identify every terminal and reproduce the approved polarity, shield and channel assignment for 102044-00-32-10-02; then continuity-test the affected path.

Q4 What controlled test confirms that 102044-00-32-10-02 can provides a non-contact eddy-current sensing interface?

Apply the approved field or simulated stimulus, observe the Bently Nevada proximity transducer installation indication and confirm the intended response without bypassing the normal interlocks.

Q6 Can 102044-00-32-10-02 be moved directly into Axial position monitoring without validating Compatible Bently Nevada monitor input?

No. Confirm the Compatible Bently Nevada monitor input, revision, connection scheme and Bently Nevada proximity transducer installation configuration before transferring 102044-00-32-10-02 to that duty.

Q8 How should 102044-00-32-10-02 be returned to service in Legacy proximity-loop service?

Restore power under control, verify connects to the installed proximity-transducer electronics, exercise the intended signal path and release 102044-00-32-10-02 only after the Bently Nevada proximity transducer installation remains in its approved operating state.

SOURCE Bently Nevada Approvals Quick Reference Guide | 108M1756 Rev. AL

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