

Bently Nevada 330879-03-00

Installation & Commissioning Guide

Bently Nevada 330879-03-00 is the two-clamp 3300 XL 50 mm sliding-probe arrangement supplied without a differential-expansion mounting bracket.

PRODUCT ROLE AND VERIFIED FEATURES

Feature 1

Supplies two probe clamps for complementary-input DE geometry.

Feature 2

Provides one right-exit and one left-exit clamp so cables leave from the same side.

Feature 3

Omits the DE mounting bracket under option 00.

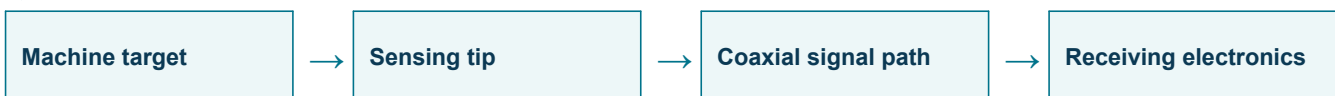
Feature 4

Works with the 3300 XL 50 mm transducer-system mounting arrangement.

VERIFIED DATA SNAPSHOT

Accessory family	3300 XL 50 mm sliding probe bracket and clamp
Clamp style	Two clamps for CIDE applications
Cable exits	One left exit and one right exit
DE mounting bracket	Not included

SYSTEM RELATIONSHIP



APTERPOWER SALES TEAM
WhatsApp / Phone: +86 180 3023 5313
Email: sales13@apterpower.com
Scan the approved WhatsApp code for model-specific support.



Pre-installation readiness

READINESS GATE

Identity Compare the complete marking with the approved work order and installed record.	System match Confirm the receiving channel, mating components and controlled configuration.
Physical condition Inspect mounting surfaces, connectors, terminals, cable and support hardware.	Work controls Apply authorized isolation, bypass, access and restoration procedures.

TECHNICAL PROFILE FOR THE WORK

Accessory family 3300 XL 50 mm sliding probe bracket and clamp	Clamp style Two clamps for CIDE applications
Cable exits One left exit and one right exit	DE mounting bracket Not included
Application Complementary-input differential expansion	

IMPORTANT NOTICE

Resolve every unmatched interface, configuration or receiving-system condition before removal or installation.

SOURCE AND WORK CONTROLS

Manufacturer source	Bently Nevada 3300 XL 50 mm Proximity Transducer System Datasheet 174014 Rev. L.
Evidence boundary	Technical statements are limited to the identified product or applicable manufacturer family.
Selection control	Use the complete ordering string and verify the installed system before purchase or installation.

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Installation sequence

CONTROLLED WORK STEPS

- 01 Confirm that 330879-03-00 is the two-clamp execution before dismantling the existing mount.
- 02 Do not install the clamp-only option unless the correct bracket and base plate are already available.
- 03 Identify left- and right-exit clamp orientation before routing either probe cable.
- 04 Align both probes with the target so their measurement axes follow the approved CIDE geometry.
- 05 Secure each clamp without distorting the probe case or restricting the sliding carriage.
- 06 Maintain target clearance across the entire differential-expansion travel range.
- 07 Move the transducers through the verification range and compare both channel responses.
- 08 Re-tighten locking hardware and document zero, direction and complementary response before release.

CONNECTION RECORD

As found	Photograph and label every connection and installed orientation before removal.
Mechanical	Record mounting position, support, clearance and connector engagement.
Electrical	Record polarity, common, shield, channel assignment and cable route.
Configuration	Preserve approved settings, scaling, alarm logic and acceptance limits.
As left	Record the final physical condition and any controlled deviation.



WORK HOLD POINTS

Before removal	Identity, position, wiring, orientation and controlled settings recorded.
Before connection	Mating interfaces, condition and routing reviewed.
Before power-up	Mechanical work, wiring, shielding and configuration independently checked.
Before release	Static value, dynamic response and protection behavior accepted.

Commissioning and functional proof

COMMISSIONING SEQUENCE

Initial state Observe status at power-up and check for unexpected fault or alarm indication.	Static value Verify the expected bias, gap, loop, contact or channel value for the application.
Dynamic response Apply the approved machine or test stimulus and confirm response and scaling.	Protection path Verify the configured alarm, relay, data or receiving-system behavior.

APPLICATION-SPECIFIC EVIDENCE

Complementary-input DE Supports two 50 mm probes observing opposite sides of a differential-expansion target.	Sliding verification setup Allows probes to be moved through the working range when combined with the correct bracket.
Steam-turbine TSI Supports differential-expansion measurement on large turbine-generator trains.	Clamp-only replacement Replaces the clamp pair where the existing approved bracket remains in service.

ACCEPTANCE RECORD

Identity	Complete marking and final installed position recorded.
Physical inspection	Mounting, connectors, terminals and routing checked.
Channel status	Expected status and configured measurement confirmed.
Functional test	Required output or protection response demonstrated.
Restoration	Bypasses removed and operating state approved.

COMMISSIONING QUESTIONS

How many clamps are supplied by 330879-03-00?	Option 03 supplies two clamps for complementary-input differential-expansion applications.
Which cable-exit directions are included with 330879-03-00?	The pair contains one right-exit and one left-exit clamp so the cables can leave from the same side of the bracket.

Release record and technical references

CLOSEOUT QUESTIONS

Does 330879-03-00 include a DE mounting bracket?	No. Bracket option 00 is clamp only.
What measurement arrangement is 330879-03-00 designed for?	It supports complementary-input DE using two 3300 XL 50 mm probes on opposite sides of the target.
Can a single-probe bracket be assumed for 330879-03-00?	No. Select and verify the approved CIDE mounting bracket separately.
What alignment is critical when fitting 330879-03-00?	Both probe axes must follow the approved target geometry without side loading or interference.
How is sliding movement checked with 330879-03-00?	Release the carriage according to the bracket procedure and verify both channels through the required travel.
What release record should accompany 330879-03-00?	Record clamp orientation, probe gaps, channel directions and complementary differential-expansion response.

RELATED MODELS FOR INSTALLATION PLANNING

Bently Nevada 330130-075-01-00	Installation-planning reference. Review the complete ordering string before selection.
Bently Nevada 330190-045-01-05	Installation-planning reference. Compare the required interface and system position.
Bently Nevada 330881-28-00-265-00-02	Installation-planning reference. Confirm the execution independently for the intended task.

MANUFACTURER SOURCE AND FINAL CONTROL

Manufacturer source	Bently Nevada 3300 XL 50 mm Proximity Transducer System Datasheet 174014 Rev. L.
Evidence boundary	Technical statements are limited to the identified product or applicable manufacturer family.
Selection control	Use the complete ordering string and verify the installed system before purchase or installation.

IMPORTANT NOTICE

Release the equipment only after the responsible site authority accepts the recorded result.

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