INSTALLATION & COMMISSIONING

Bently Nevada 3300/45

01 / PLAN AND IDENTIFY

Bently Nevada 3300/45 is a dual differential-expansion monitor that accepts two proximity-transducer signals and continuously indicates both magnitude and direction of rotor-to-casing axial movement. Channel B can be disabled when only one measurement location is required.

Identity gate

Exact Identifier	3300/45
Monitor	Dual differential expansion
Inputs	Two proximity-transducer channels
Rack Family	3300 monitoring system

Work boundary

Exact item	Installed context	Acceptance
3300/45	Mating component or rack position	Machine-specific functional check

01 Record the as-found item

Capture the complete identifier, installed point and mating components before removal. Apply the authorized isolation and protection-bypass procedure.

Related models

Bently Nevada 330103-00-03-10-02-00	Related portfolio reference; verify the complete execution.
Bently Nevada 330103-00-20-10-02-00	Related portfolio reference; verify the complete execution.
Bently Nevada 330104-00-03-05-02-00	Related portfolio reference; verify the complete execution.
Bently Nevada 330104-02-10-10-02-00	Related portfolio reference; verify the complete execution.
Bently Nevada 330905-00-03-10-02-00	Related portfolio reference; verify the complete execution.
Bently Nevada 330980-51-CN	Related portfolio reference; verify the complete execution.

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02 / PRE-INSTALLATION

Readiness gate

Identity	Full model and nameplate recorded
Mechanical	Mounting, enclosure and routing inspected
Electrical	Power, loop or cable checks follow the applicable source
Integration	Mating components and system length confirmed

02 Inspect condition

Check the nameplate, mounting surfaces, connectors, cable or enclosure for damage and contamination. Reject an item whose exact identity or condition cannot be confirmed.

03 Review the source

141507: function and input data p. 1; outputs, alarms and indicators p. 2; environment and ordering p. 3; field wiring p. 4. The supplied reference PDF is used only for data and is not uploaded.

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03 / INSTALL AND CONNECT

04 / Installation check

Verify the complete 3300/45 identity and installed rack position.

05 / Installation check

Record both proximity-transducer inputs before disturbing field wiring.

06 / Installation check

Confirm the selected 10 or 20 mV/mil scale factor for each channel.

07 / Installation check

Restore full-scale, upscale direction and zero-position settings.

08 / Installation check

Check recorder-output mode and receiving-channel scaling.

Documented data to respect

Monitor Function	Dual differential expansion
Input Channels	Two proximity-transducer signals
Channel B	May be disabled for single-location use
Input Impedance	10 kohm
Scale Factor Selection	20 mV/mil or 10 mV/mil, jumper selectable
Power Consumption	1.5 W nominal

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04 / COMMISSION AND ACCEPT

09 Restore the documented assembly

Differential expansion is measured between the rotor and machine casing away from the thrust bearing. Probe geometry, scale-factor jumper, zero direction and alarm logic must agree with the actual turbine installation.

10 Perform the functional check

Use the machine procedure to verify the expected static condition, signal path and operating response. A visual inspection alone is not commissioning evidence.

Acceptance record

Identity	Full model and nameplate recorded
Mechanical	Mounting, enclosure and routing inspected
Electrical	Power, loop or cable checks follow the applicable source
Integration	Mating components and system length confirmed
Acceptance	Machine-specific functional result recorded

Which transducer signals does Bently Nevada 3300/45 accept?

It accepts two compatible proximity-probe transducer signals.

Which recorder outputs are available from Bently Nevada 3300/45?

The monitor can be configured for 4-20 mA, 0 to -10 VDC or 1 to 5 VDC outputs.

How are alarms arranged on Bently Nevada 3300/45?

Each channel has independent Alert and Danger setpoints.

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05 / HANDOVER

What scale factors can Bently Nevada 3300/45 use?

The input can be jumper-selected for 20 mV/mil or 10 mV/mil.

What confirms commissioning of Bently Nevada 3300/45?

Verify probe gaps, both movement directions, recorder scaling, channel state and alarm response.

Handover record

Identity	Exact model and installed location
Configuration	Mating items and relevant option fields
Inspection	Mechanical, cable and connector condition
Test	Authorized functional result and date

Related-product boundary

Recommended models are portfolio references. Compare every ordering field before selection.

Related models

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Bently Nevada 330104-00-03-05-02-00	Related portfolio reference; verify the complete execution.
Bently Nevada 330104-02-10-10-02-00	Related portfolio reference; verify the complete execution.

Manufacturer evidence

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