Bently Nevada 3300/26-XX-XX-XX-00-00-01-00

01 Plan the controlled work

Published configuration

Bently Nevada 3300/26-XX-XX-XX-00-00-01-00 is a two-channel accelerometer RMS monitor for absolute machine-housing or structural vibration. This configuration uses epoxy-sealed alarm relays without an agency-approval option, internal safety barrier or trip multiplier.

Preparation sequence

01	Confirm the complete 3300/26-XX-XX-XX-00-00-01-00 marking.
02	Identify the 3300 rack configuration from the System Monitor, power supply and backplane.
03	Confirm the installed 3300/26 firmware before selecting a communication path.
04	Record both channel indications, recorder destinations and alarm setpoints.
05	Place the affected protection functions in the approved maintenance state.

Fixed trailing selections

Order-code position	Published selection
Agency approval option	00 - none selected
Internal safety barrier option	00 - none
Alarm relay option	01 - epoxy-sealed
Trip multiply option	00 - none

Selection boundary

Evaluate only the fixed 00-00-01-00 suffix shown in this publication. Use the actual installed hardware and controlled site record for every other configuration decision.

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02 Identify the 3300 system context

Supported rack-configuration concepts

3300 configuration	System-level compatibility point
Original system	Predates internal TDe and SDI/DDI data interfaces
Mixed system	Original rack with 3300/03-01; external data-interface use depends on compatible monitor firmware
SDI/DDI system	System Monitor, power supply, backplane and monitor firmware must be SDI/DDI-compatible
TDe system	Uses 3300/02 and interfaces directly to System 1 without an external communications processor

3300/26 firmware references

SDI/DDI-compatible microprocessor 104044-03	**Compatible firmware format** Single-chip microprocessor
Firmware upgrade kit 104535-05	**Compatibility decision** Check rack generation and communication processor together with monitor firmware

Communication boundary

A Mixed System requires compatible firmware in each installed monitor when it communicates through SDIX/DDIX, TDIX or TDXnet interfaces. A TDe System connects directly to System 1 and does not use an external communications processor.

Rack hardware pairing

The compatibility guide requires the power supply and backplane generation to be matched; do not combine an original backplane with a new-generation power supply or the reverse.

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03 Inspect, install and reconnect

System-identification sequence

01	Read the System Monitor and power-supply identities.
02	Identify the Power Input Module at the rear of the rack.
03	If the configuration remains uncertain, disconnect rack power before examining the backplane.
04	Read the 3300/26 firmware part number on the microprocessor.
05	Compare the rack, communication path and firmware as one compatibility decision.

Pre-installation checks

Check	Required evidence
Monitor identity	3300/26-XX-XX-XX-00-00-01-00
Rack generation	Original, Mixed, SDI/DDI or TDe
SDI/DDI firmware	104044-03 when that communication capability is required
Relay hardware	Epoxy-sealed, option 01
Barrier arrangement	No internal safety barrier, option 00
Trip multiply	None, option 00

Connection controls

Channel identity
Label the two measurement paths before conductor removal.

Rack connector
Inspect seating, contacts and card guides before energization.

Recorder path
Retain each channel's assigned recorder destination.

Alarm path
Confirm the epoxy-sealed relay contacts and downstream logic.

Power-isolation rule

Machine protection is lost when rack hardware is removed for backplane identification. Isolate and control the affected protection function before opening that hardware boundary.

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04 Commission the fixed configuration

Technical operating data

Technical item	Specification
Measurement function	dual-channel absolute housing vibration
Signal conditioning	RMS
Channel count	2 independent channels
Accepted inputs	1 or 2 acceleration transducer signals
Unfiltered frequency response	2.7 Hz to 60 kHz, -3 dB nominal
Frequency range with integration	10 Hz to 60 kHz

Response-test sequence

01	Energize the rack under controlled conditions.
02	Confirm normal monitor status before applying a test signal.
03	Apply a known acceleration change to one identified channel.
04	Compare local indication with its assigned recorder output.
05	Cross the approved alarm setpoint and verify the epoxy-sealed relay path.
06	Repeat independently for the second channel, then restore the normal protection state.

Fixed-option checks

D=00
No agency-approval option is selected.

E=00
No internal safety barrier is selected.

F=01
Epoxy-sealed alarm relays are selected.

G=00
No trip multiplier is selected.

Separate each test stage

A correct display does not prove the recorder or relay path. Verify indication, recorder output and alarm contact behavior as separate parts of the channel response.

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05 Troubleshoot and release

Symptom-led checks

Observed condition	Investigation
No channel response	Check the signal source, polarity, continuity, channel assignment and monitor status.
Recorder mismatch	Compare the selected output format and assigned destination independently from the display.
Unexpected alarm	Compare the applied condition with the setpoint, delay, latch and bypass states.
Communication fault	Check the rack configuration and confirm 3300/26 firmware compatibility with the data interface.
Intermittent behavior	Inspect rack seating, terminals, shield/common and field-cable condition.

Release evidence

Measurement
Both channels respond consistently to the approved test method.

Outputs
Recorder and epoxy-sealed relay paths correspond to the identified channel.

Compatibility
Rack generation, communication path and monitor firmware agree.

Protection state
Temporary bypasses are removed and downstream functions are accepted.

Related Bently Nevada product references

Bently Nevada 3300/25-01-03-03-00-00-01-00

Bently Nevada 3300/25-01-03-03-00-00-03-00

Bently Nevada 3300/25-03-06-06-01-00-02-00

Bently Nevada 3300/25-03-15-15-00-00-00-00

Final technical record

For SDI/DDI system compatibility, the 3300 System Compatibility Guide lists single-chip microprocessor part number 104044-03 for the 3300/26 and firmware upgrade kit 104535-05. Confirm the rack generation and installed firmware before connecting an SDI/DDI-compatible communication path.