

APTER POWER

COMPLETE PRODUCT INFORMATION

3300/25-XX-15-15-00-00-03-02

3300/25 Dual Accelerometer Monitor

Bently Nevada 3300/25-XX-15-15-00-00-03-02 is a dual accelerometer monitor for absolute machine-housing or structural vibration. Its documented options set both channels to 0-25 mm/s peak,

PRODUCT SNAPSHOT

BRAND

Bently Nevada

FAMILY

Bently Nevada 3300 Monitoring

PART

3300/25-XX-15-15-00-00-03-02

DOCUMENT STATUS

Controlled engineering copy

APTER POWER

WHATSAPP / PHONE

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WEBSITE

www.apterpower.com



PRODUCT OVERVIEW

Bently Nevada 3300/25-XX-15-15-00-00-03-02 provides two-channel absolute housing-vibration monitoring with 0-25 mm/s ranges, quad relays and 3X Trip Multiply in a documented Bently Nevada 3300 Monitoring System

- 3300/25 Dual Accelerometer Monitor
- Absolute housing or structural vibration relative to free space
- 2 independent online vibration channels
- Two-channel absolute housing-vibration monitoring with 0-25 mm/s ranges, quad relays

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1	Bently Nevada 16925-66	3	Bently Nevada 3500-42M-140734-02
2	Bently Nevada 330450-80-00	4	Bently Nevada 130118-0050-02
5	Bently Nevada 3500-53-133388-01	6	Bently Nevada 3500-72M-176449-08
7	Bently Nevada 330173-00-06-10-02-00	8	Bently Nevada 330780-91-05
9	Bently Nevada 330709-000-050-10-12-05		

SYSTEM COMPONENTS

DOCUMENTED COMPONENT	ROLE IN SYSTEM
Proximity probe	Matched extension cable
Proximitor Sensor	AISI 4140 target

ENGINEERING CONTEXT

The component remains matched to its documented rack position, mating hardware, wiring and approved configuration. Commissioning preserves that architecture and verifies the protection function under controlled conditions.

TECHNICAL DATA

PARAMETER	VALUE	PARAMETER	VALUE
Monitor type	3300/25 dual accelerometer monitor	Safety barrier option	00: None
Measurement	Absolute housing or structural vibration relative to free space	Alarm relay option	03: Quad relays, epoxy-sealed
Channels	2 independent online vibration channels	Trip Multiply option	02: 3X
Transducer/channel-units option	XX: Must be confirmed from installed marking	Filter combinations	More than 10,000 high-pass/low-pass
Channel A range option	15: 0-25 mm/s peak	High-pass range	3.7-3008 Hz selectable
Channel B range option	15: 0-25 mm/s peak	Low-pass range	24-22372 Hz selectable
Agency approval option	00: Not required	Power consumption	10.5 W nominal

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Bently Nevada 330709-000-050-10-12-05

TECHNICAL NOTE

Install 3300/25-XX-15-15-00-00-03-02 only in the documented Bently Nevada 3300 Monitoring System position. Preserve the exact mating interfaces and option settings, then verify diagnostics and two-channel absolute housing-vibration monitoring with 0-25 mm/s ranges, quad relays and 3X Trip Multiply under controlled conditions.

APPLICATIONS & PRECAUTIONS

COMMON APPLICATIONS

Matched 3300/3500 rack service

Restores two-channel absolute housing-vibration monitoring with 0-25 mm/s ranges, quad relays and

Exact-execution replacement

Uses the complete 3300/25-XX-15-15-00-00-03-02 identity instead of a neighboring option or revision.

Machinery-protection refurbishment

Preserves the installed host position, connectors, alarm logic and approved configuration.

Controlled recommissioning

Confirms hardware identity, diagnostics and the affected protection function before return to operation.

PRODUCT PRECAUTIONS

1

Confirm the complete 3300/25-XX-15-15-00-00-03-02 marking and the documented 3300/25 Dual

2

Place the machinery-protection system and connected process in the approved maintenance state.

3

Isolate rack power and field circuits, prove the safe state and apply ESD controls.

4

Record the rack position, mating hardware, connectors, alarm wiring and as-found configuration.

5

Verify every option and limit against the exact manufacturer ordering or spare-parts record.

6

Restore grounding, shielding, wiring, relay logic and the approved monitor configuration.

7

Energize under control and review rack, channel and alarm diagnostics.

8

Complete a controlled functional test of two-channel absolute housing-vibration monitoring with 0-25 mm/s

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ENGINEER FAQ

Q1 **3300/25-XX-15-15-00-00-03-02: What vibration quantity is monitored by the 3300/25?**

The monitor measures absolute machine-housing or structural vibration relative to free space and supplies two independent online channels.

Q2 **3300/25-XX-15-15-00-00-03-02: Why must the XX field be checked on this exact catalog number?**

The first option defines transducer input and channel units. Because the supplied identity retains XX, the installed marking and channel configuration must be recorded rather than inferred.

Q3 **3300/25-XX-15-15-00-00-03-02: What ranges do both 15 option fields select?**

The B15 and C15 fields set Channels A and B to 0-25 mm/s peak.

Q4 **3300/25-XX-15-15-00-00-03-02: Which approval and barrier selections are ordered?**

Both fields are 00, specifying no ordered agency approval and no safety barrier.

Q5 **3300/25-XX-15-15-00-00-03-02: How is the alarm relay execution configured?**

Option F03 specifies quad epoxy-sealed relays. Internal AND voting is unavailable for this execution and external series wiring is required when AND logic is needed.

Q6 **3300/25-XX-15-15-00-00-03-02: What does the final 02 option do?**

Option G02 selects 3X Trip Multiply; the bypass indication flashes while Trip Multiply is active.

Q7 **3300/25-XX-15-15-00-00-03-02: How should the high-pass and low-pass filters be selected?**

The high-pass corner is selectable from 3.7 to 3008 Hz and the low-pass corner from 24 to 22372 Hz; the document recommends at least two octaves of separation.

Q8 **3300/25-XX-15-15-00-00-03-02: What transducer-installation issue must be checked before acceptance?**

Housing vibration reaches the sensor only through the mounting location, so installation must preserve the transducer's amplitude and frequency response and avoid signals unrelated to machine vibration.

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SOURCE 3300/25 Dual Accelerometer Monitor, Specifications and Ordering Information 141501-01 Rev. K
| Bently Nevada manufacturer document supplied by the user and verified 28 September 2026
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