

INDUSTRIAL AUTOMATION PRODUCT

3300/16-15-01-03-00-00-02

3300/16 XY/Gap Dual Vibration Monitor

Bently Nevada 3300/16-15-01-03-00-00-02 is a 3300/16 XY/Gap dual vibration monitor configured for two proximity-transducer channels, 0-500 micrometre peak-to-peak range, quad relays and 3X Trip Multiply. It continuously monitors radial vibration and average shaft position in a 3300 machinery-protection rack.

CONTROLLED ENGINEERING COPY

IDENTITY	VERIFIED VALUE
Manufacturer	Bently Nevada
System family	Bently Nevada 3300 Monitoring System
Part number	3300/16-15-01-03-00-00-02
Document status	Controlled product and system reference

DOCUMENT SCOPE

Exact article identity, official technical data, host matching, installation checks, applications, precautions and controlled acceptance evidence.

MODEL-SPECIFIC ENGINEERING NOTE

Install 3300/16-15-01-03-00-00-02 only in the documented Bently Nevada 3300 Monitoring System position. Preserve the exact mating interfaces and option settings, then verify diagnostics and two-channel radial-vibration and average-shaft-position monitoring with quad alarm relays under controlled conditions.

System Role and Architecture

Bently Nevada 3300/16-15-01-03-00-00-02 is a 3300/16 XY/Gap dual vibration monitor configured for two proximity-transducer channels, 0-500 micrometre peak-to-peak range, quad relays and 3X Trip Multiply. It continuously monitors radial vibration and average shaft position in a 3300 machinery-protection rack.

FUNCTION 1
3300/16 XY/Gap Dual Vibration Monitor

FUNCTION 2
2 independent proximity-transducer channels

FUNCTION 3
Radial vibration and average shaft position (gap)

FUNCTION 4
Two-channel radial-vibration and average-shaft-position monitoring with quad alarm relays

RELATED APTER POWER PAGES		
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9	Bently Nevada 330103-12-25-10-01-00	

MATCHED SYSTEM COMPONENTS

NO.	DOCUMENTED COMPONENT / ROLE
01	Bently Nevada 3300 Monitoring System
02	Matched Bently Nevada host monitor, rack or rear module
03	Documented connectors, field wiring, alarm contacts and shielding
04	Approved option settings, configuration and acceptance record

SYSTEM INTEGRATION RECORD

INTEGRATION ITEM	DOCUMENTED ROLE
Host identity	Bently Nevada 3300 Monitoring System
Interface role	two-channel radial-vibration and average-shaft-position monitoring with quad alarm relays
Field / power context	documented Bently Nevada machinery-monitoring rack position
Commissioning evidence	Identity, option settings, diagnostics and controlled functional response recorded

INSTALLATION AND CONNECTION CHECKS

- 1

Confirm the complete 3300/16-15-01-03-00-00-02 marking and the documented 3300/16 XY/Gap Dual Vibration Monitor execution.
- 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.

Technical Specifications

Technical values below are limited to the named product record and directly applicable manufacturer documentation.

PARAMETER	VALUE	PARAMETER	VALUE
Monitor type	3300/16 XY/Gap dual vibration monitor	Safety barrier option	00: None
Measurement channels	2 independent proximity-transducer channels	Trip Multiply option	02: 3X
Measured variables	Radial vibration and average shaft position (gap)	Input impedance	10 kilohm
Full-scale range option	15: 0-500 micrometre peak-to-peak	Frequency response choices	4-4000 Hz or 1-600 Hz, nominal -3 dB
Transducer input option	01: 3300/3300 XL 8 mm or 7200 5/8 mm, 200 mV/mil	Recorder output choices	+4 to +20 mA, 0 to -10 Vdc, or +1 to +5 Vdc
Alarm relay option	03: Quad relays, epoxy-sealed	Power consumption	2 W nominal
Agency approval option	00: Not required	Rack position	One slot except positions 1 and 2

RELATED PRODUCT PAGES

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Bently Nevada
330104-00-20-05-02-00

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Bently Nevada
330103-12-25-10-01-00

ENGINEERING BOUNDARY

Confirm 3300/16-15-01-03-00-00-02, its exact Bently Nevada 3300 Monitoring System host, installed position, mating hardware, wiring, alarm logic, configuration, diagnostics and controlled acceptance evidence before release.

PRE-INSTALLATION CHECKS

- 1

Confirm the complete 3300/16-15-01-03-00-00-02 marking and the documented 3300/16 XY/Gap Dual Vibration Monitor execution.
- 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.

Applications and Engineering Context

Matched 3300/3500 rack service

Restores two-channel radial-vibration and average-shaft-position monitoring with quad alarm relays in the documented machinery-monitoring architecture.

Exact-execution replacement

Uses the complete 3300/16-15-01-03-00-00-02 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.

TECHNICAL NOTE

Install 3300/16-15-01-03-00-00-02 only in the documented Bently Nevada 3300 Monitoring System position. Preserve the exact mating interfaces and option settings, then verify diagnostics and two-channel radial-vibration and average-shaft-position monitoring with quad alarm relays under controlled conditions.

MODEL-SPECIFIC ACCEPTANCE EVIDENCE

CHECK	ACCEPTANCE CONDITION
Identity	3300/16-15-01-03-00-00-02 recorded
Host / carrier	Bently Nevada 3300 Monitoring System
Physical interface	Installed mating hardware and field interfaces match the as-found record
Configuration	Approved monitor and alarm configuration restored
Functional proof	Controlled test confirms two-channel radial-vibration and average-shaft-position monitoring with quad alarm relays

IMPORTANT NOTICE

Confirm 3300/16-15-01-03-00-00-02, its exact Bently Nevada 3300 Monitoring System host, installed position, mating hardware, wiring, alarm logic, configuration, diagnostics and controlled acceptance evidence before release.

Related Products and Source Record

Brand-qualified Apter Power navigation links are provided for system planning only; manufacturer evidence remains the named source record.

RELATED PRODUCTS ON APTER POWER

1

Bently Nevada 330104-00-20-05-02-00

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Bently Nevada 330103-00-08-10-02-05

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Bently Nevada 330103-12-25-10-01-00

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MANUFACTURER SOURCE RECORD

3300/16 XY/GAP Dual Vibration Monitor, Specifications and Ordering Information 141498-01 Rev. J | Bently Nevada manufacturer document supplied by the user and verified 28 September 2026

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RECOMMENDATION SCOPE

These links support product navigation and comparison. Technical values in this document are sourced only from the manufacturer record above.