

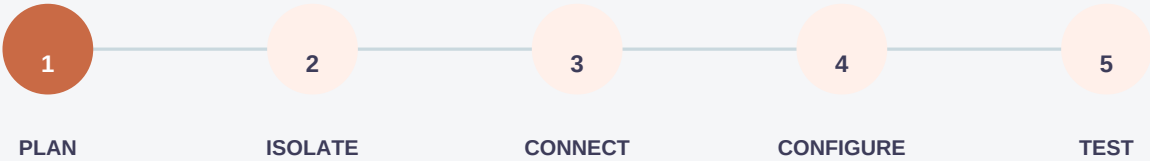
3300/16-15-01-03-00-00-02

3300/16 XY/Gap Dual Vibration Monitor

CONTROLLED ENGINEERING COPY

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.

INSTALLATION IDENTITY	REQUIRED VALUE
Complete model	3300/16-15-01-03-00-00-02
Manufacturer	Bently Nevada
System family	Bently Nevada 3300 Monitoring System
Record scope	Installation, application and verification



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01 PRE-INSTALLATION PLAN

- 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.
- 5

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

MATCHED HARDWARE

- 3300/16-15-01-03-00-00-02 with complete article identity
- Matched Bently Nevada host module or rack position
- Documented connectors, wiring and alarm interfaces
- Approved configuration, diagnostics and acceptance record

INSTALLATION CONTROL RECORD

CONTROL ITEM	REQUIRED RECORD
Identity	3300/16-15-01-03-00-00-02 recorded
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

02 WIRING & INTERFACE CHECKS

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

RELATED PRODUCT PAGES

1 Bently Nevada
330103-12-25-10-02-00

2 Bently Nevada 135473-01

3 Bently Nevada 88286-01J

4 Bently Nevada 330130-045-01-05

5 Bently Nevada
330173-00-05-10-12-00

6 Bently Nevada 16710-12

7 Bently Nevada
330851-000-070-10-00-05

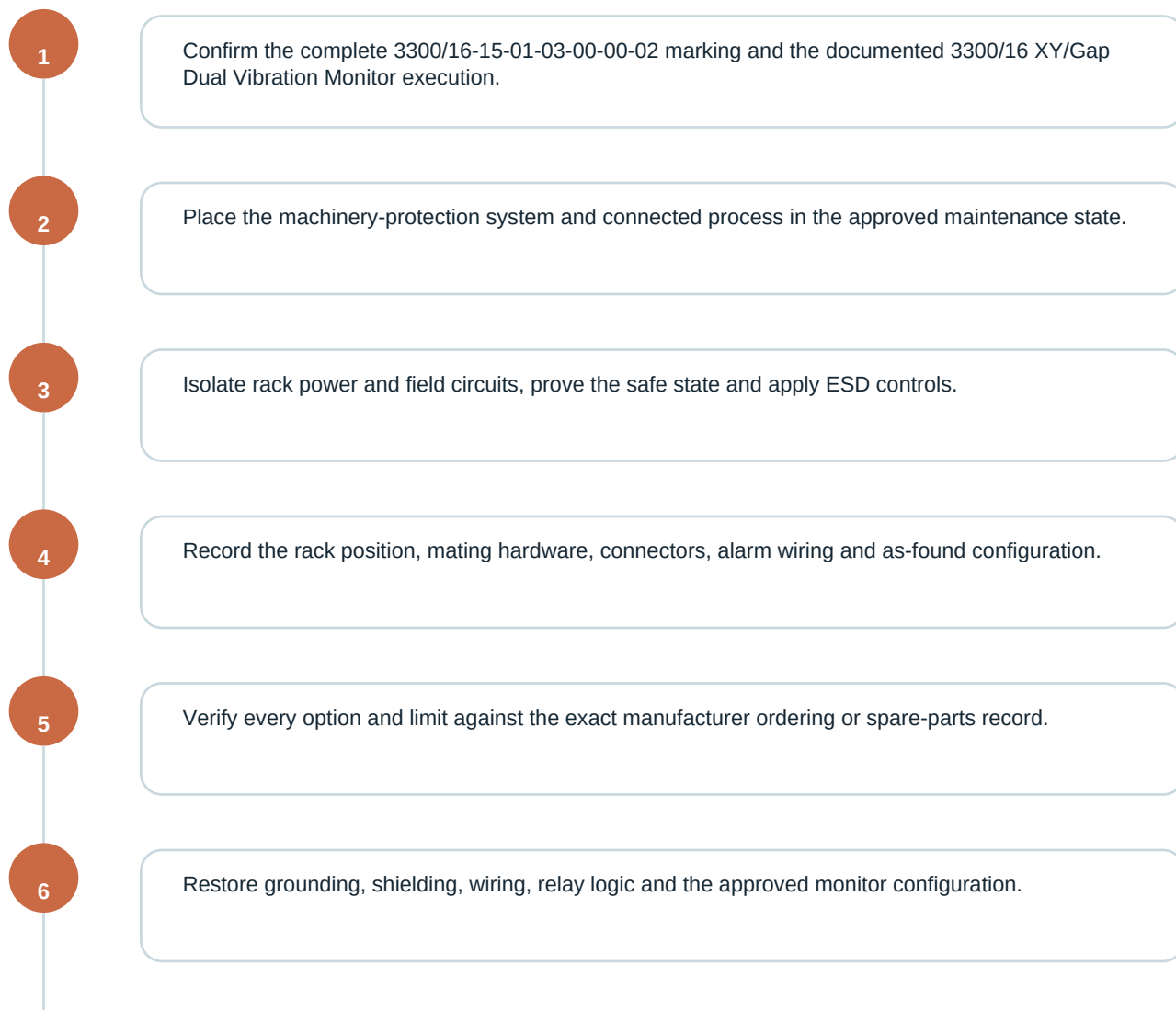
8 Bently Nevada
330851-02-000-030-10-00-00

9 Bently Nevada
330851-02-000-050-10-00-05

FIELD NOTE

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.

03 COMMISSIONING WORKFLOW



COMMISSIONING ACCEPTANCE EVIDENCE

EVIDENCE ITEM	ACCEPTANCE CONDITION
Identity	3300/16-15-01-03-00-00-02
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

04 RETURN-TO-SERVICE RECORD

- ☐ Verify every option and limit against the exact manufacturer ordering or spare-parts record.
- ☐ Restore grounding, shielding, wiring, relay logic and the approved monitor configuration.
- ☐ Energize under control and review rack, channel and alarm diagnostics.
- ☐ Complete a controlled functional test of two-channel radial-vibration and average-shaft-position monitoring with quad alarm relays before service release.

VERIFICATION RECORD

PRODUCT IDENTITY	3300/16-15-01-03-00-00-02
INSTALLED POSITION	Documented Bently Nevada rack or rear I/O position
VERIFICATION METHOD	Controlled inspection and functional test
RELEASE RECORD	Final diagnostic state retained before service

FUNCTIONAL ACCEPTANCE CHECKLIST

- ☐ Verify every option and limit against the exact manufacturer ordering or spare-parts record.
- ☐ Restore grounding, shielding, wiring, relay logic and the approved monitor configuration.
- ☐ Energize under control and review rack, channel and alarm diagnostics.
- ☐ Complete a controlled functional test of two-channel radial-vibration and average-shaft-position monitoring with quad alarm relays before service release.

SOURCE IDENTIFIERS

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