

2300/25

2300/25 vibration monitor with Trendmaster SPA interface

CONTROLLED ENGINEERING COPY

Verify 2300/25, transducer type and scale factor, channel band-pass settings, speed input, relay logic, SPA address and Ethernet configuration; prove alert, danger, buffered output and network data before service.

INSTALLATION IDENTITY	REQUIRED VALUE
Complete model	2300/25
Manufacturer part	2300/25
Hardware type	2300/25
System family	2300 Series machinery monitor
HS code	8537101190



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01 PRE-INSTALLATION PLAN

- 1

Verify the complete 2300/25 marking and its assigned 2300 Series machinery monitor position before work.
- 2

Place the connected pump and fan protection process in the approved maintenance state.
- 3

Isolate applicable power and two vibration inputs, one speed input, relays and spa/ethernet communications field energy before disconnecting conductors.
- 4

Record connector, conductor, address, firmware and software identities before removal.
- 5

Use ESD controls and protect keyed interfaces, exposed contacts and electronic assemblies.

MATCHED HARDWARE

- compatible proximity or seismic transducers
- speed or Keyphasor input
- two programmable relay circuits
- System 1 and Trendmaster SPA infrastructure

INSTALLATION CONTROL RECORD

CONTROL ITEM	REQUIRED RECORD
Identity	2300/25 / 2300/25 recorded
Physical interface	compatible proximity or seismic transducers
Companion check	speed or Keyphasor input
Functional proof	Samples two vibration channels synchronously
Application test	Pump and fan protection

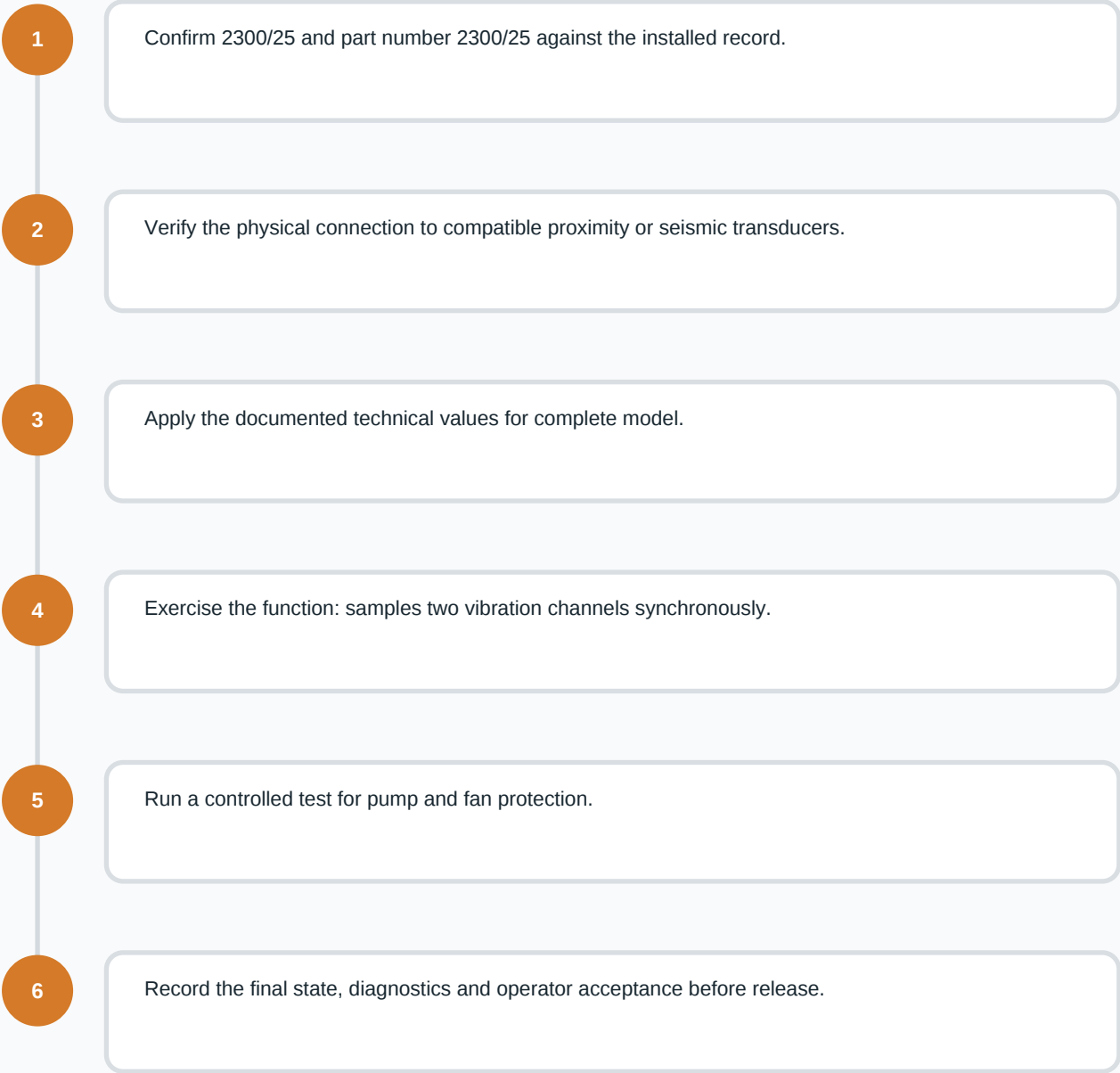
02 WIRING & INTERFACE CHECKS

CHECK ITEM	REQUIRED VALUE
Complete model	2300/25
Approval option	Model family configuration
Measurement channels	2
Speed channel	1
Power input	18 to 36 V DC, 7.5 W maximum
Input range	-0.25 to -22 V
Input ADC	Independent 24-bit converters
Band-pass filter	0.2 Hz to 20 kHz configurable
Measurement accuracy	+/-1% of full scale
Proximity scale factor	5 to 1000 mV/mil
Proximity full scale	0 to 160 mil peak-to-peak
RPM range	1 to 120,000
Buffered outputs	3 BNC outputs
Relay outputs	2 SPDT dry contacts

FIELD NOTE

Verify 2300/25, transducer type and scale factor, channel band-pass settings, speed input, relay logic, SPA address and Ethernet configuration; prove alert, danger, buffered output and network data before service.

03 COMMISSIONING WORKFLOW



COMMISSIONING ACCEPTANCE EVIDENCE

EVIDENCE ITEM	ACCEPTANCE CONDITION
Identity	2300/25 / 2300/25 recorded
Physical interface	compatible proximity or seismic transducers
Companion check	speed or Keyphasor input
Functional proof	Samples two vibration channels synchronously
Application test	Pump and fan protection

04 RETURN-TO-SERVICE RECORD

- ☐ Confirm the installed compatible proximity or seismic transducers and speed or Keyphasor input against the approved project.
- ☐ Restore power in a controlled sequence and review device, network and host diagnostics.
- ☐ Prove the intended compressor condition monitoring function and retain the final test result.
- ☐ Confirm the intended process response before normal operation.

VERIFICATION RECORD

PRODUCT IDENTITY	2300/25
INSTALLED POSITION	Documented 2300 Series machinery monitor position
VERIFICATION METHOD	Controlled inspection and functional test
RELEASE RECORD	Final diagnostic state retained before service

RELATED PRODUCTS ON APTER POWER

MODEL	SYSTEM ROLE	APTER POWER PAGE
Bently Nevada 31000 00 00 15 035 01 02	Related Bently Nevada machinery-monitoring product	View Bently Nevada 31000 00 00 15 035 01 02 page
Bently Nevada 31000 00 00 15 039 01 02	Related Bently Nevada machinery-monitoring product	View Bently Nevada 31000 00 00 15 039 01 02 page
Bently Nevada 31000 00 00 15 047 01 02	Related Bently Nevada machinery-monitoring product	View Bently Nevada 31000 00 00 15 047 01 02 page
Bently Nevada 21000 34 05 00 015 04 02	Related Bently Nevada machinery-monitoring product	View Bently Nevada 21000 34 05 00 015 04 02 page
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Bently Nevada 21000 00 00 55 060 03 02	Related Bently Nevada machinery-monitoring product	View Bently Nevada 21000 00 00 55 060 03 02 page
Bently Nevada 21000 00 00 00 019 03 02	Related Bently Nevada machinery-monitoring product	View Bently Nevada 21000 00 00 00 019 03 02 page
Bently Nevada 21000 00 00 60 028 02 02	Related Bently Nevada machinery-monitoring product	View Bently Nevada 21000 00 00 60 028 02 02 page

SOURCE IDENTIFIERS

Bently Nevada 2300/20 and 2300/25 Vibration Monitors Datasheet
105M0340 Rev. AD

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