

3500/45

Position Monitor

CONTROLLED ENGINEERING COPY

Retain the exact channel measurement type, sensor selection, scale, polarity and alarm logic before replacing 3500/45.

INSTALLATION IDENTITY	REQUIRED VALUE
Complete model	3500/45
Manufacturer part	3500/45
Hardware type	four-channel Position Monitor
System family	Bently Nevada 3500 System



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01 PRE-INSTALLATION PLAN

- 1

Verify the complete 3500/45 marking and its assigned Bently Nevada 3500 System position before work.
- 2

Place the connected axial thrust position process in the approved maintenance state.
- 3

Isolate every documented power, signal and stored-energy source before disconnecting conductors or cables.
- 4

Record the installed slot, connectors, conductors, addressing, firmware and software configuration before removal.
- 5

Use ESD-safe handling and protect keyed electrical, fiber or sensor interfaces as applicable.

MATCHED HARDWARE

- Bently Nevada 3500 System
- the documented companion module
- approved field wiring
- the controlled rack configuration

INSTALLATION CONTROL RECORD

CONTROL ITEM	REQUIRED RECORD
Identity	3500/45 / 3500/45 recorded
Physical interface	Bently Nevada 3500 System
Companion check	the documented companion module
Functional proof	Provides four position channels
Application test	Axial thrust position

02 WIRING & INTERFACE CHECKS

CHECK ITEM	REQUIRED VALUE
monitor type	four-channel Position Monitor
accepted sensors	proximity transducers, rotary position transducers, DC LVDTs and AC LVDTs
thrust measurement	supported
differential expansion	standard, ramp and complementary input modes
case expansion	supported on channels 3 and 4
valve position	supported with the approved rotary position transducer
alarm handling	programmable alert and danger setpoints
configuration platform	3500 Rack Configuration Software

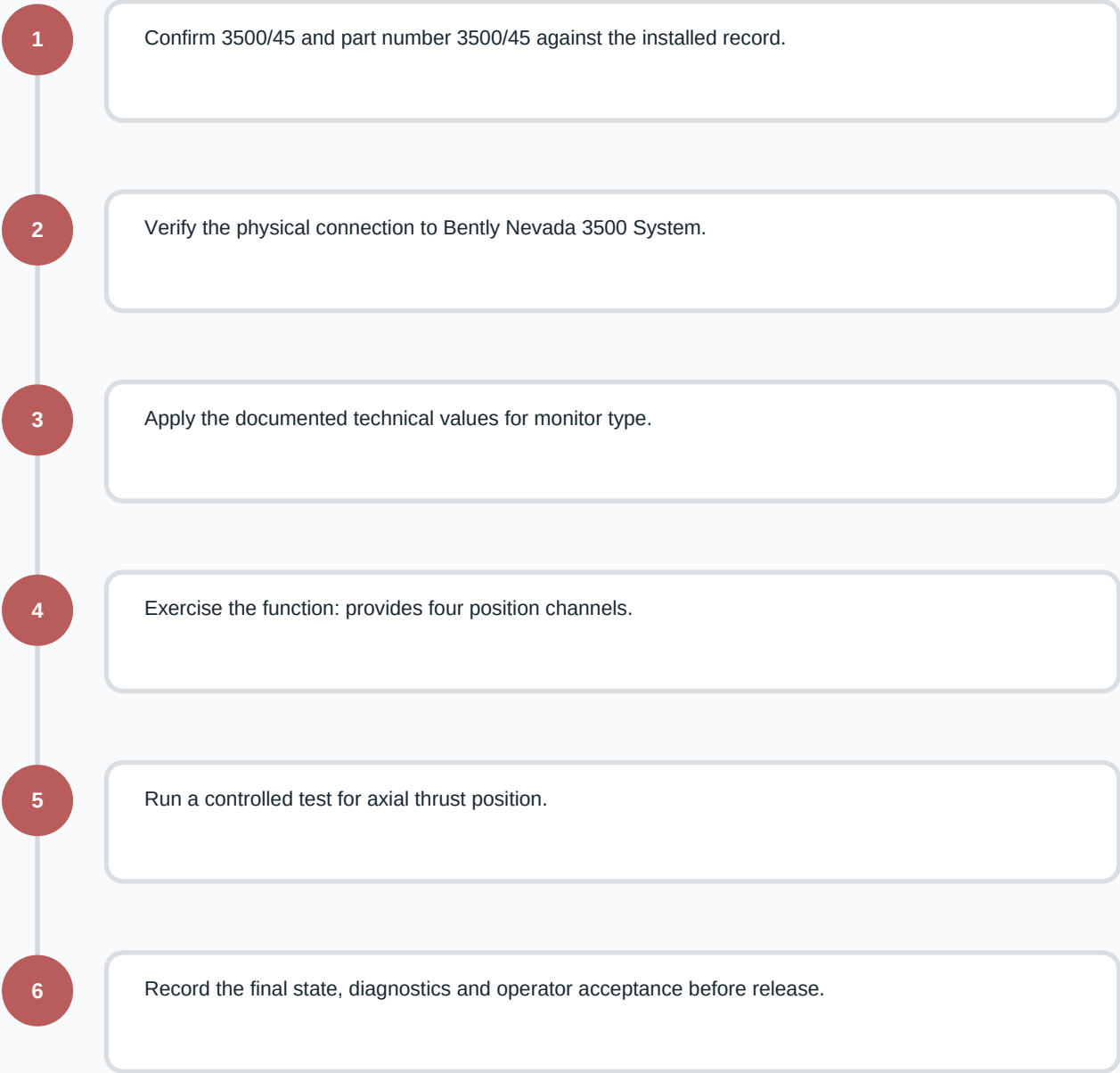
SYSTEM CONNECTION RECORD

CONNECTION ITEM	DOCUMENTED ASSIGNMENT
Installed host / carrier	Bently Nevada 3500 System
Companion hardware	the documented companion module
Field connection	approved field wiring
Primary system function	Provides four position channels
Controlled acceptance duty	Axial thrust position

FIELD NOTE

Retain the exact channel measurement type, sensor selection, scale, polarity and alarm logic before replacing 3500/45.

03 COMMISSIONING WORKFLOW



COMMISSIONING ACCEPTANCE EVIDENCE

EVIDENCE ITEM	ACCEPTANCE CONDITION
Identity	3500/45 / 3500/45 recorded
Physical interface	Bently Nevada 3500 System
Companion check	the documented companion module
Functional proof	Provides four position channels
Application test	Axial thrust position

04 RETURN-TO-SERVICE RECORD

- ☐
- Confirm the installed Bently Nevada 3500 System and the documented companion module against the approved project.
- ☐
- Restore power in a controlled sequence and review device, network and host diagnostics.
- ☐
- Prove the intended differential expansion function and retain the final acceptance result.
- ☐
- Confirm the intended process response before normal operation.

VERIFICATION RECORD

PRODUCT IDENTITY

3500/45

INSTALLED POSITION

Documented Bently Nevada 3500 System 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
GE IC670MDL330	Related industrial automation product	View GE IC670MDL330 page
GE IC670MDL331	Related industrial automation product	View GE IC670MDL331 page
GE IC670MDL241	Related industrial automation product	View GE IC670MDL241 page
GE IC670MDL240	Related industrial automation product	View GE IC670MDL240 page
Allen-Bradley 22B D4P0N104	Related industrial automation product	View Allen-Bradley 22B D4P0N104 page
GE IC670MDL233	Related industrial automation product	View GE IC670MDL233 page
GE IC670ALG621	Related industrial automation product	View GE IC670ALG621 page
GE IC670ALG630	Related industrial automation product	View GE IC670ALG630 page

SOURCE IDENTIFIERS

3500/45 Position Monitor Datasheet

141537 Rev. R

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