

3500/64M

Dynamic Pressure Monitor

CONTROLLED ENGINEERING COPY

Retain transducer type, filter mode, full-scale range, cascade assignment, recorder scaling and alarm delays before replacing 3500/64M.

INSTALLATION IDENTITY	REQUIRED VALUE
Complete model	3500/64M
Manufacturer part	3500/64M
Hardware type	four dynamic-pressure channels
System family	Bently Nevada 3500 System



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01 PRE-INSTALLATION PLAN

- 1

Verify the complete 3500/64M marking and its assigned Bently Nevada 3500 System position before work.
- 2

Place the connected combustion pressure monitoring 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	3500/64M / 3500/64M recorded
Physical interface	Bently Nevada 3500 System
Companion check	the documented companion module
Functional proof	Accepts four pressure-transducer inputs
Application test	Combustion pressure monitoring

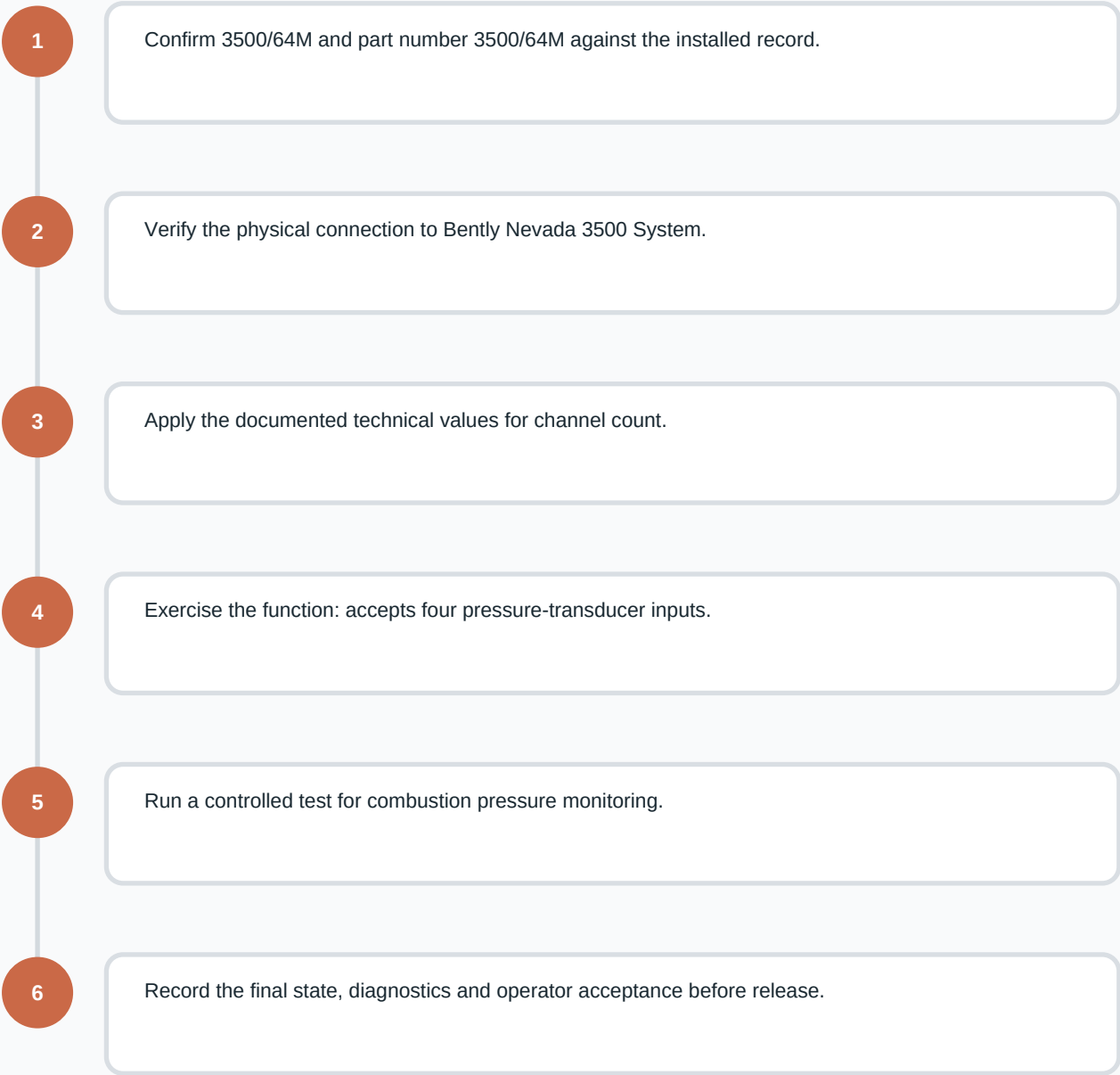
02 WIRING & INTERFACE CHECKS

CHECK ITEM	REQUIRED VALUE
channel count	four dynamic-pressure channels
accepted input	one to four high-temperature pressure-transducer signals
measured variable	bandpass dynamic pressure
dynamic sensitivity	100 mV/psi (1.45 mV/mBar)
recorder output	4 to 20 mA for each channel
buffered output impedance	550 ohm
line-rejection options	50 or 60 Hz notch filter
cascade mode	one transducer can feed four channels with separate filters and full-scale ranges
configuration platform	3500 Rack Configuration Software

FIELD NOTE

Retain transducer type, filter mode, full-scale range, cascade assignment, recorder scaling and alarm delays before replacing 3500/64M.

03 COMMISSIONING WORKFLOW



COMMISSIONING ACCEPTANCE EVIDENCE

EVIDENCE ITEM	ACCEPTANCE CONDITION
Identity	3500/64M / 3500/64M recorded
Physical interface	Bently Nevada 3500 System
Companion check	the documented companion module
Functional proof	Accepts four pressure-transducer inputs
Application test	Combustion pressure monitoring

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 dynamic process pressure function and retain the final acceptance result.
- ☐
- Confirm the intended process response before normal operation.

VERIFICATION RECORD

PRODUCT IDENTITY	3500/64M
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
Bently Nevada 330101 00 16 10 02 00	Related industrial automation product	View Bently Nevada 330101 00 16 10 02 00 page
Bently Nevada 330101 00 12 10 02 00	Related industrial automation product	View Bently Nevada 330101 00 12 10 02 00 page
Bently Nevada 330101 00 08 10 02 05	Related industrial automation product	View Bently Nevada 330101 00 08 10 02 05 page
Bently Nevada 330101 00 08 10 02 00	Related industrial automation product	View Bently Nevada 330101 00 08 10 02 00 page
ABB 3BHE022293R0101 PCD232A	Related industrial automation product	View ABB 3BHE022293R0101 PCD232A page
Bently Nevada 330101 00 08 05 02 00	Related industrial automation product	View Bently Nevada 330101 00 08 05 02 00 page
Siemens 6SE7090 0XX87 4AH0	Related industrial automation product	View Siemens 6SE7090 0XX87 4AH0 page
Siemens C98043 A7109 L100	Related industrial automation product	View Siemens C98043 A7109 L100 page

SOURCE IDENTIFIERS

3500/64M Dynamic Pressure Monitor Datasheet
141536 Rev. T

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