

3500/64M 176449-05

3500/64M Dynamic Pressure Monitor

CONTROLLED ENGINEERING COPY

Bently Nevada 3500/64M 176449-05 is a single-slot four-channel dynamic pressure monitor for configured gas-turbine combustor pressure protection and diagnostics.

INSTALLATION IDENTITY	REQUIRED VALUE
Complete model	3500/64M 176449-05
Manufacturer	Bently Nevada
System family	Bently Nevada 3500 machinery protection system
HS code	8537101190
Shipping origin	Xiamen, Fujian, China



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01 PRE-INSTALLATION PLAN

- 1

Confirm the complete 3500/64M 176449-05 marking and controlled maintenance record before work.
- 2

Place the 3500 rack with approved pressure-transducer I/O and associated machine or process in the approved maintenance state.
- 3

Isolate the documented power, signal and protection circuits before disconnecting 3500/64M 176449-05.
- 4

Record the installed position, pressure inputs, I/O module, recorder outputs and rack configuration, polarity, shielding and grounding.
- 5

Protect connectors, terminals, cable routing and mounting surfaces from damage or contamination.

MATCHED HARDWARE

- 3500/64M 176449-05 with complete identity
- 3500 rack with approved pressure-transducer I/O
- pressure inputs, I/O module, recorder outputs and rack configuration
- Controlled commissioning and acceptance record

INSTALLATION CONTROL RECORD

CONTROL ITEM	REQUIRED RECORD
Identity	3500/64M 176449-05 recorded
Physical interface	Probe, cable and sensor matched
Functional proof	Static gap and dynamic response

02 WIRING & INTERFACE CHECKS

CHECK ITEM	REQUIRED VALUE
Order number	176449-05
Channels	4
Rack requirement	Single full-height 3500 slot
Inputs	One to four approved pressure transducer signals
Recorder output	4-20 mA per configured channel
Input options	3-wire -24 VDC or 2-wire 3.3 mA at 22 V
Filtering	High-pass and low-pass modes by channel pair
Country of origin	USA
HS code	8537101190

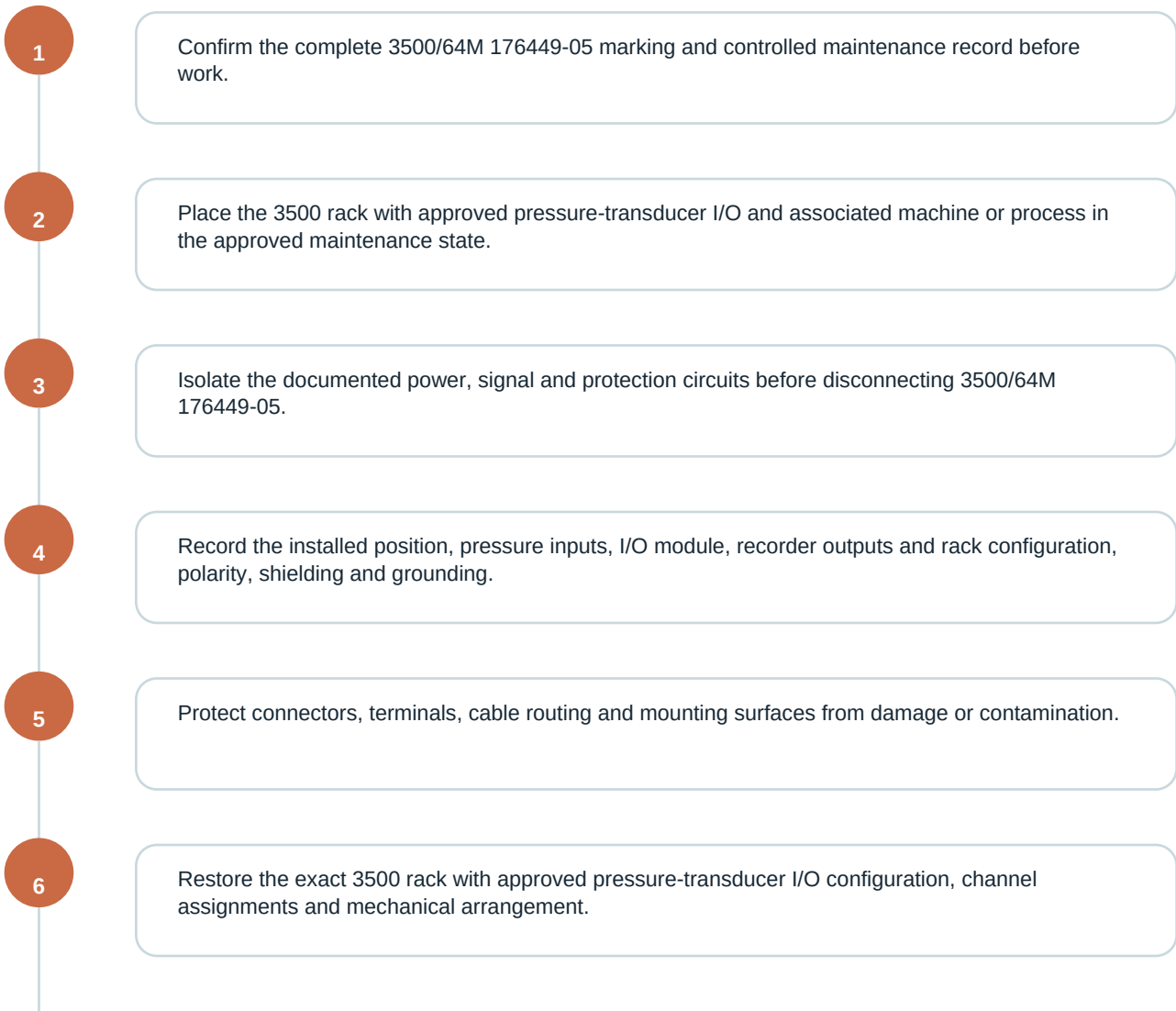
FIELD NOTE

Confirm 3500/64M 176449-05, 3500 rack with approved pressure-transducer I/O, pressure inputs, I/O module, recorder outputs and rack configuration, installed position, polarity, shielding, grounding, configuration, diagnostics and controlled functional-test evidence before commissioning.

RELATED APTER POWER PAGES

330180-X1-05-MOD-145004-17	330901-05-65-05-11-05	330901-05-45-05-11-05	330101-02-70-10-11-05
330101-00-40-10-01-00	330105-02-12-05-12-00	330103-00-22-50-12-00	330103-00-16-50-12-00

03 COMMISSIONING WORKFLOW



COMMISSIONING ACCEPTANCE EVIDENCE

EVIDENCE ITEM	ACCEPTANCE CONDITION
Identity	3500/64M 176449-05
Physical interface	pressure inputs, I/O module, recorder outputs and rack configuration matched
Configuration	Exact installed configuration and channel assignments restored
Functional proof	Controlled four-channel dynamic combustor pressure monitoring response recorded

04 RETURN-TO-SERVICE RECORD

- ☐ Protect connectors, terminals, cable routing and mounting surfaces from damage or contamination.
- ☐ Restore the exact 3500 rack with approved pressure-transducer I/O configuration, channel assignments and mechanical arrangement.
- ☐ Review live diagnostics, bias or channel status after controlled energization.
- ☐ Verify the intended four-channel dynamic combustor pressure monitoring response and retain acceptance evidence before release.

VERIFICATION RECORD

PRODUCT IDENTITY	3500/64M 176449-05
INSTALLED POSITION	Documented 3500 rack with approved pressure-transducer I/O position
VERIFICATION METHOD	Controlled inspection and functional test
RELEASE RECORD	Final diagnostic state retained before service

FUNCTIONAL ACCEPTANCE CHECKLIST

- ☐ Confirm the exact model remains assigned to the documented host position.
- ☐ Verify every mating interface and field connection against the as-found record.
- ☐ Exercise the intended product function under controlled conditions.
- ☐ Retain the diagnostic and functional-test result before release.

SOURCE IDENTIFIERS

3500/64M Dynamic Pressure Monitor Datasheet | Bently Nevada publication 141536 Rev. T