

3500/70M 176449-09

3500/70M Recip Impulse/Velocity Monitor

CONTROLLED ENGINEERING COPY

Bently Nevada 3500/70M 176449-09 is the Recip Impulse/Velocity Monitor for reciprocating-compressor protection; 135489-01 is a separate I/O-module option and is not part of this main model identity.

INSTALLATION IDENTITY	REQUIRED VALUE
Complete model	3500/70M 176449-09
Manufacturer	Bently Nevada
System family	Bently Nevada 3500 reciprocating compressor monitoring
HS code	8537101190
Shipping origin	Xiamen, Fujian, China



APTER POWER SALES TEAM

WHATSAPP / PHONE +86 180 3023 5313

EMAIL sales13@apterpower.com

WEBSITE www.apterpower.com

01 PRE-INSTALLATION PLAN

- 1

Confirm the complete 3500/70M 176449-09 marking and controlled maintenance record before work.
- 2

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

Isolate the documented power, signal and protection circuits before disconnecting 3500/70M 176449-09.
- 4

Record the installed position, monitor slot, selected I/O module, transducer channels and rack configuration, polarity, shielding and grounding.
- 5

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

MATCHED HARDWARE

- 3500/70M 176449-09 with complete identity
- 3500 rack with the selected compatible I/O module
- monitor slot, selected I/O module, transducer channels and rack configuration
- Controlled commissioning and acceptance record

INSTALLATION CONTROL RECORD

CONTROL ITEM	REQUIRED RECORD
Identity	3500/70M 176449-09 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	176449-09
Monitor	3500/70M Recip Impulse/Velosity Monitor
Application	Reciprocating compressor protection
Compatible inputs	Approved proximity, accelerometer or Velomitor channels according to I/O
I/O boundary	135489-01 is a separate internal-barrier I/O module option
Country of origin	USA
HS code	8537101190

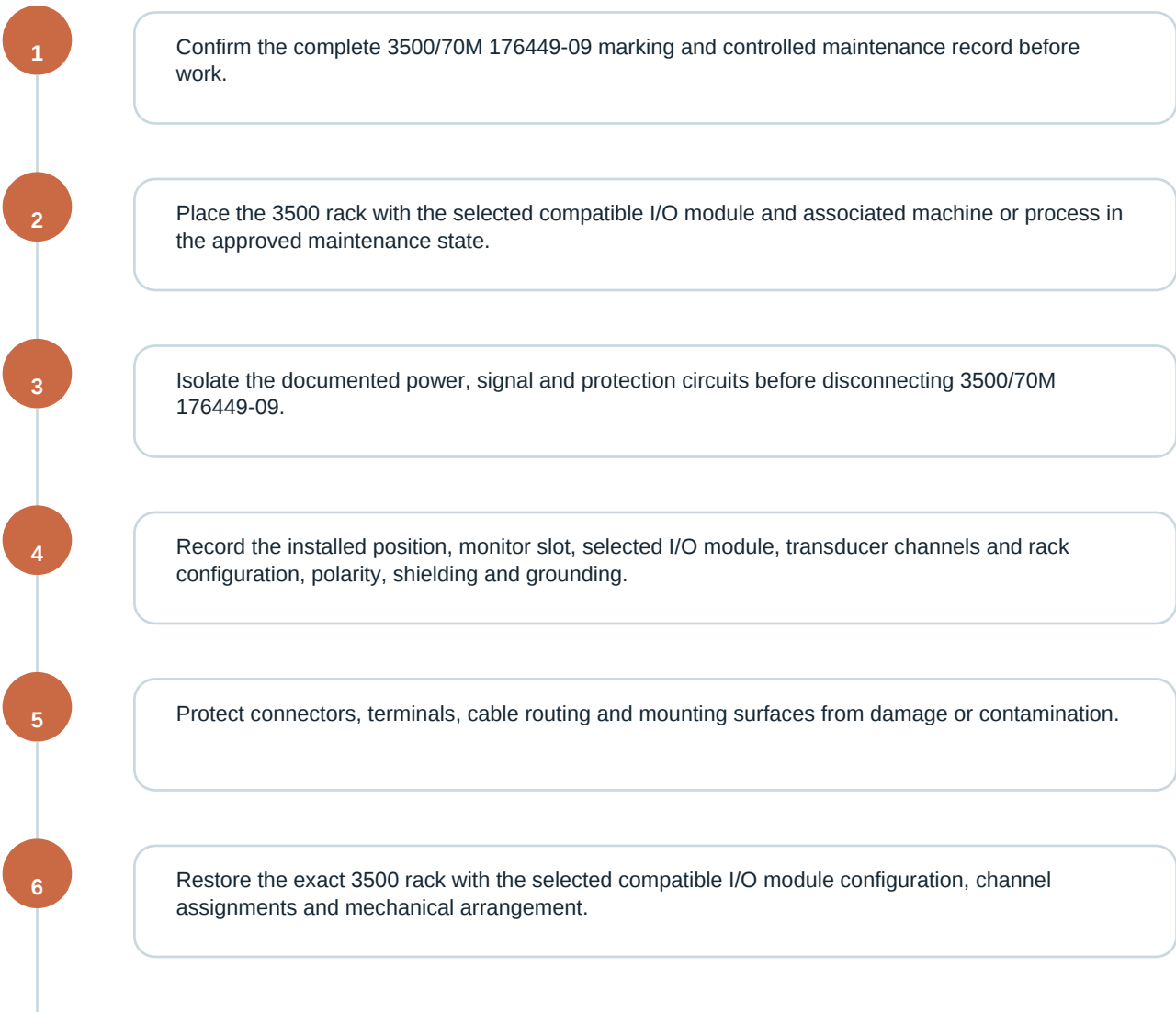
FIELD NOTE

Confirm 3500/70M 176449-09, 3500 rack with the selected compatible I/O module, monitor slot, selected I/O module, transducer channels and rack configuration, installed position, polarity, shielding, grounding, configuration, diagnostics and controlled functional-test evidence before commissioning.

RELATED APTER POWER PAGES

330101-04-28-10-02-00	330877-080-37-05	330195-02-12-05-05	330702-00-25-10-02-00
330172-00-20-90-01-05	330192-00-68-05-05	330905-00-25-05-12-CN	330104-05-10-50-02-05

03 COMMISSIONING WORKFLOW



COMMISSIONING ACCEPTANCE EVIDENCE

EVIDENCE ITEM	ACCEPTANCE CONDITION
Identity	3500/70M 176449-09
Physical interface	monitor slot, selected I/O module, transducer channels and rack configuration matched
Configuration	Exact installed configuration and channel assignments restored
Functional proof	Controlled reciprocating-compressor impulse and velocity 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 the selected compatible I/O module configuration, channel assignments and mechanical arrangement.
- ☐ Review live diagnostics, bias or channel status after controlled energization.
- ☐ Verify the intended reciprocating-compressor impulse and velocity monitoring response and retain acceptance evidence before release.

VERIFICATION RECORD

PRODUCT IDENTITY	3500/70M 176449-09
INSTALLED POSITION	Documented 3500 rack with the selected compatible I/O module 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

3500/70M Recip Impulse/Velocity Monitor Datasheet | Bently Nevada publication 166766 Rev. R