

APTER POWER

COMPLETE PRODUCT INFORMATION

3500/70M 176449-09

3500/70M Recip Impulse/Velocity Monitor

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

PRODUCT SNAPSHOT

BRAND

Bently Nevada

FAMILY

Bently Nevada 3500 reciprocating

PART

3500/70M 176449-09

ORIGIN / HS

USA / 8537101190

APTER POWER

WHATSAPP / PHONE

+86 180 3023 5313

SHIP FROM

Xiamen, Fujian, China



PRODUCT OVERVIEW

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.

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Identifies monitor order 176449-09
- 

Supports reciprocating impulse and velocity protection
- 

Accepts approved transducer types through selected I/O
- 

Keeps separate I/O module numbers out of the main model identity

SYSTEM COMPONENTS

DOCUMENTED COMPONENT	ROLE IN SYSTEM
Proximity probe	Matched extension cable
Proximitor Sensor	AISI 4140 target

ENGINEERING CONTEXT

The product performs reciprocating-compressor impulse and velocity monitoring in the documented 3500 rack with the selected compatible I/O module. Installation and commissioning must preserve the exact identity, interfaces and approved configuration.

TECHNICAL DATA

PARAMETER	VALUE
Order number	176449-09
Monitor	3500/70M Recip Impulse/Velocity Monitor
Application	Reciprocating compressor protection
Compatible inputs	Approved proximity, accelerometer or Velomitor

PARAMETER	VALUE
I/O boundary	135489-01 is a separate internal-barrier I/O module
Country of origin	USA
HS code	8537101190

TECHNICAL 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.

APPLICATIONS & PRECAUTIONS

COMMON APPLICATIONS

Reciprocating compressor protection

Monitors configured impulse and velocity channels.

Frame vibration monitoring

Uses approved seismic transducer inputs.

Impulse event detection

Supports configured mechanical-impact alarms.

3500 rack service

Preserves monitor and I/O identities separately.

PRODUCT PRECAUTIONS

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

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,

5

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

6

Restore the exact 3500 rack with the selected compatible I/O module configuration, channel

7

Review live diagnostics, bias or channel status after controlled energization.

8

Verify the intended reciprocating-compressor impulse and velocity monitoring response and retain

ENGINEER FAQ

Q1 **How is the exact 3500/70M 176449-09 execution identified?**

Match the complete 3500/70M 176449-09 marking, manufacturer record and installed-position record; do not substitute by appearance.

Q2 **What documented role does 3500/70M 176449-09 perform?**

It performs reciprocating-compressor impulse and velocity monitoring in the documented 3500 rack with the selected compatible I/O module.

Q3 **Which host must be matched before fitting 3500/70M 176449-09?**

Match the exact 3500 rack with the selected compatible I/O module, channel, rack or transducer-system position shown in the controlled site record.

Q4 **Which interfaces must be recorded for 3500/70M 176449-09?**

Record monitor slot, selected I/O module, transducer channels and rack configuration, together with mounting, polarity, shielding, grounding and cable routing.

Q5 **What isolation controls apply to 3500/70M 176449-09?**

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

Q6 **What must be restored after installing 3500/70M 176449-09?**

Restore the exact 3500 rack with the selected compatible I/O module configuration, channel assignments and mechanical arrangement.

Q7 **What proves 3500/70M 176449-09 is ready for service?**

Retain diagnostics and a controlled reciprocating-compressor impulse and velocity monitoring response test with alarms or interlocks where applicable.

Q8 **Which manufacturer record supports the 3500/70M 176449-09 page?**

3500/70M Recip Impulse/VelocityEngine Monitor Datasheet, Bently Nevada publication 166766 Rev. R.

RELATED APTER POWER PAGES

330103-02-10-10-01-CN	330102-00-40-90-11-05	330102-00-16-90-11-05	330102-00-16-10-02-05
330101-00-16-10-01-05	PN-173123	330180-X1-05-MOD-145004-10	330180-X1-05-MOD-145004-102

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

+86 180 3023 5313 | sales13@apterpower.com | www.apterpower.com