

3500/64M 176449-05

3500/64M Dynamic Pressure Monitor

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

PRODUCT SNAPSHOT

BRAND

Bently Nevada

FAMILY

Bently Nevada 3500 machinery

PART

3500/64M 176449-05

ORIGIN / HS

USA / 8537101190

APTER POWER

WHATSAPP / PHONE

+86 180 3023 5313

SHIP FROM

Xiamen, Fujian, China



PRODUCT OVERVIEW

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

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Monitors four dynamic-pressure channels
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Fits one full-height 3500 rack slot
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Supports documented two-wire and three-wire input arrangements
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Provides configured 4-20 mA recorder outputs

SYSTEM COMPONENTS

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

ENGINEERING CONTEXT

The product performs four-channel dynamic combustor pressure monitoring in the documented 3500 rack with approved pressure-transducer I/O. Installation and commissioning must preserve the exact identity, interfaces and approved configuration.

TECHNICAL DATA

PARAMETER	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

PARAMETER	VALUE
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

TECHNICAL 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.

APPLICATIONS & PRECAUTIONS

COMMON APPLICATIONS

Combustor pressure monitoring

Measures configured gas-turbine dynamic pressure.

Combustion diagnostics

Supports filtered pressure-band analysis.

3500 rack protection

Generates alarms from assigned pressure channels.

Monitor replacement

Preserves I/O and rack configuration.

PRODUCT PRECAUTIONS

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

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,

5

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

6

Restore the exact 3500 rack with approved pressure-transducer I/O configuration, channel

7

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

8

Verify the intended four-channel dynamic combustor pressure monitoring response and retain acceptance

ENGINEER FAQ

Q1 **How is the exact 3500/64M 176449-05 execution identified?**

Match the complete 3500/64M 176449-05 marking, manufacturer record and installed-position record; do not substitute by appearance.

Q2 **What documented role does 3500/64M 176449-05 perform?**

It performs four-channel dynamic combustor pressure monitoring in the documented 3500 rack with approved pressure-transducer I/O.

Q3 **Which host must be matched before fitting 3500/64M 176449-05?**

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

Q4 **Which interfaces must be recorded for 3500/64M 176449-05?**

Record pressure inputs, I/O module, recorder outputs and rack configuration, together with mounting, polarity, shielding, grounding and cable routing.

Q5 **What isolation controls apply to 3500/64M 176449-05?**

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

Q6 **What must be restored after installing 3500/64M 176449-05?**

Restore the exact 3500 rack with approved pressure-transducer I/O configuration, channel assignments and mechanical arrangement.

Q7 **What proves 3500/64M 176449-05 is ready for service?**

Retain diagnostics and a controlled four-channel dynamic combustor pressure monitoring response test with alarms or interlocks where applicable.

Q8 **Which manufacturer record supports the 3500/64M 176449-05 page?**

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

RELATED APTER POWER PAGES

330103-00-13-50-12-00	330101-00-16-10-11-00	330104-04-09-10-01-05	330104-00-09-10-01-00
330180-X1-05-MOD-145004-15	330180-X1-05-MOD-145004-94	330180-X2-05-MOD-163358-02	330902-00-90-10-01-05

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

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