

INDUSTRIAL AUTOMATION PRODUCT

3500/64M

Dynamic Pressure Monitor

Bently Nevada 3500/64M is a single-slot four-channel Dynamic Pressure Monitor for high-temperature pressure transducers and machinery-protection alarms.

IDENTITY	VERIFIED VALUE
Manufacturer	Bently Nevada
System family	Bently Nevada 3500 System
Part number	3500/64M

APTER POWER SALES TEAM

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Technical Specifications

Technical values below are limited to the named Bently Nevada product record.

PARAMETER	TECHNICAL 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

ENGINEERING DATA SUMMARY

DATA GROUP	VERIFIED ASSIGNMENT
Installed host / carrier	Bently Nevada 3500 System
Companion hardware	the documented companion module
Field connection	approved field wiring
Primary system function	Accepts four pressure-transducer inputs
Controlled acceptance duty	Combustion pressure monitoring

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System Role and Architecture

Bently Nevada 3500/64M is a single-slot four-channel Dynamic Pressure Monitor for high-temperature pressure transducers and machinery-protection alarms.

FUNCTION 1

Accepts four pressure-transducer inputs

FUNCTION 2

Provides bandpass dynamic-pressure values

FUNCTION 3

Offers per-channel recorder outputs

FUNCTION 4

Supports cascade filtering

Matched system components

- Bently Nevada 3500 System
- the documented companion module
- approved field wiring
- the controlled rack configuration

SYSTEM INTEGRATION RECORD

INTEGRATION ITEM	DOCUMENTED ROLE
Installed host / carrier	Bently Nevada 3500 System
Companion hardware	the documented companion module
Field connection	approved field wiring
Primary system function	Accepts four pressure-transducer inputs
Controlled acceptance duty	Combustion pressure monitoring

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Applications and Engineering Context

Combustion pressure monitoring

Accepts four pressure-transducer inputs

Dynamic process pressure

Provides bandpass dynamic-pressure values

Cascade filter analysis

Offers per-channel recorder outputs

Pressure alarm protection

Supports cascade filtering

TECHNICAL NOTE

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

MODEL-SPECIFIC ACCEPTANCE EVIDENCE

CHECK	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

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Engineering Precautions

- 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.

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MANUFACTURER SOURCE RECORD

3500/64M Dynamic Pressure Monitor Datasheet

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