

INDUSTRIAL AUTOMATION PRODUCT

3500/40M

Proximitior Monitor

Bently Nevada 3500/40M is a four-channel Proximitior Monitor that conditions proximity-transducer signals for machinery protection and diagnostic use.

IDENTITY	VERIFIED VALUE
Manufacturer	Bently Nevada
System family	Bently Nevada 3500 System
Part number	3500/40M

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
monitor type	four-channel Proximitior Monitor
input capacity	one to four proximity-transducer signals
typical power consumption	7.7 W
transducer supply	-24 V DC
buffered output impedance	550 ohm
buffered outputs	one short-circuit-protected coaxial output per channel
measurement functions	radial vibration, thrust position, eccentricity, differential expansion and REBAM
configuration platform	3500 Rack Configuration Software
alarm function	programmable alert and danger setpoints

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 up to four proximity inputs
Controlled acceptance duty	Radial vibration protection

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System Role and Architecture

Bently Nevada 3500/40M is a four-channel Proximitor Monitor that conditions proximity-transducer signals for machinery protection and diagnostic use.

FUNCTION 1
Accepts up to four proximity inputs

FUNCTION 2
Supports multiple shaft measurements

FUNCTION 3
Provides front-panel buffered outputs

FUNCTION 4
Drives configured protection alarms

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 up to four proximity inputs
Controlled acceptance duty	Radial vibration protection

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Applications and Engineering Context

Radial vibration protection

Accepts up to four proximity inputs

Thrust position monitoring

Supports multiple shaft measurements

Eccentricity observation

Provides front-panel buffered outputs

Differential expansion measurement

Drives configured protection alarms

TECHNICAL NOTE

Preserve every channel type, transducer selection, full-scale range, alert and danger setpoint before replacing 3500/40M.

MODEL-SPECIFIC ACCEPTANCE EVIDENCE

CHECK	ACCEPTANCE CONDITION
Identity	3500/40M / 3500/40M recorded
Physical interface	Bently Nevada 3500 System
Companion check	the documented companion module
Functional proof	Accepts up to four proximity inputs
Application test	Radial vibration protection

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Engineering Precautions

- 1 Verify the complete 3500/40M marking and its assigned Bently Nevada 3500 System position before work.
- 2 Place the connected radial vibration protection 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.

RELATED PRODUCTS ON APTER POWER

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Siemens A5E00755411	Related industrial automation product	View Siemens A5E00755411 page

MANUFACTURER SOURCE RECORD

3500/40M Proximitator Monitor Datasheet

141535 Rev. P

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