

3500/40M

Proximito Monitor

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

PRODUCT SNAPSHOT

BRAND

Bently Nevada

FAMILY

Bently Nevada 3500 System

PART

3500/40M

PRODUCT TYPE

Proximito Monitor

APTER POWER SALES TEAM

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PRODUCT OVERVIEW

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

1

Accepts up to four proximity inputs

2

Supports multiple shaft measurements

3

Provides front-panel buffered outputs

4

Drives configured protection alarms

SYSTEM COMPONENTS

Bently Nevada 3500 System

the documented companion module

approved field wiring

the controlled rack configuration

TECHNICAL NOTE

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

TECHNICAL DATA

PARAMETER	VALUE
monitor type	four-channel Proximitor 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

PARAMETER	VALUE
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 NOTE

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

RELATED PRODUCTS ON APTER POWER

MODEL	SYSTEM ROLE	APTER POWER PAGE
Bently Nevada 330851 02 000 080 10 00 00	Related industrial automation product	View Bently Nevada 330851 02 000 080 10 00 00 page
Bently Nevada 330851 01 000 020 10 00 00	Related industrial automation product	View Bently Nevada 330851 01 000 020 10 00 00 page
Bently Nevada 330850 91 05	Related industrial automation product	View Bently Nevada 330850 91 05 page
Bently Nevada 330876 01 50 01 05	Related industrial automation product	View Bently Nevada 330876 01 50 01 05 page
Bently Nevada 330876 03 10 00 00	Related industrial automation product	View Bently Nevada 330876 03 10 00 00 page
Bently Nevada 32000 28 05 15 080 03 02	Related industrial automation product	View Bently Nevada 32000 28 05 15 080 03 02 page
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APPLICATIONS & PRECAUTIONS

COMMON APPLICATIONS

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

PRODUCT 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.
- 6 Confirm the installed Bently Nevada 3500 System and the documented companion module against the approved project.
- 7 Restore power in a controlled sequence and review device, network and host diagnostics.
- 8 Prove the intended thrust position monitoring function and retain the final acceptance result.

ENGINEER FAQ

Q1 Which official monitor type applies to Bently Nevada 3500/40M?

Baker Hughes documents the monitor type as four-channel Proximitor Monitor. Verify this exact identity and its installed configuration before service.

Q2 How is the input capacity identified for Bently Nevada 3500/40M?

Baker Hughes documents the input capacity as one to four proximity-transducer signals. Verify this exact identity and its installed configuration before service.

Q3 What typical power consumption is documented for Bently Nevada 3500/40M?

Baker Hughes documents the typical power consumption as 7.7 W. Verify this exact identity and its installed configuration before service.

Q4 Which transducer supply must be retained for Bently Nevada 3500/40M?

Baker Hughes documents the transducer supply as -24 V DC. Verify this exact identity and its installed configuration before service.

Q5 What does Baker Hughes specify as the buffered output impedance for Bently Nevada 3500/40M?

Baker Hughes documents the buffered output impedance as 550 ohm. Verify this exact identity and its installed configuration before service.

Q6 How should technicians verify the buffered outputs of Bently Nevada 3500/40M?

Baker Hughes documents the buffered outputs as one short-circuit-protected coaxial output per channel. Verify this exact identity and its installed configuration before service.

Q7 Which published measurement functions distinguishes Bently Nevada 3500/40M?

Baker Hughes documents the measurement functions as radial vibration, thrust position, eccentricity, differential expansion and REBAM. Verify this exact identity and its installed configuration before service.

Q8 What is the documented configuration platform used by Bently Nevada 3500/40M?

Baker Hughes documents the configuration platform as 3500 Rack Configuration Software. Verify this exact identity and its installed configuration before service.

SOURCE 3500/40M Proximitor Monitor Datasheet | 141535 Rev. P

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