

3500/60

Temperature Monitor

Bently Nevada 3500/60 is a six-channel Temperature Monitor that accepts RTD and thermocouple inputs and drives configured alarms.

PRODUCT SNAPSHOT

BRAND

Bently Nevada

FAMILY

Bently Nevada 3500 System

PART

3500/60

PRODUCT TYPE

Temperature Monitor

APTER POWER SALES TEAM

WHATSAPP / PHONE

+86 180 3023 5313

EMAIL

sales13@apterpower.com

WEBSITE

www.apterpower.com



PRODUCT OVERVIEW

Bently Nevada 3500/60 is a six-channel Temperature Monitor that accepts RTD and thermocouple inputs and drives configured alarms.

1

Monitors six temperature points

2

Accepts RTD and thermocouple sensors

3

Supports programmable protection alarms

4

Supports documented TMR arrangements

SYSTEM COMPONENTS

Bently Nevada 3500 System

the documented companion module

approved field wiring

the controlled rack configuration

TECHNICAL NOTE

Record sensor type, scale, linearization, isolation mode and every alarm delay before replacing 3500/60.

TECHNICAL DATA

PARAMETER	VALUE
channel count	six temperature channels
sensor inputs	RTDs and thermocouples
recorder outputs	not provided on the 3500/60
alarm handling	programmable alert and danger setpoints

PARAMETER	VALUE
TMR use	groups of three monitors may be used in Triple Modular Redundant arrangements
I/O choices	internal or external termination variants
isolation choices	non-isolated and isolated thermocouple configurations
isolated-channel rating	250 V channel-to-channel for the isolated thermocouple I/O option

ENGINEERING NOTE

Record sensor type, scale, linearization, isolation mode and every alarm delay before replacing 3500/60.

RELATED PRODUCTS ON APTER POWER

MODEL	SYSTEM ROLE	APTER POWER PAGE
Bently Nevada 84661 55	Related industrial automation product	View Bently Nevada 84661 55 page
Bently Nevada 330880 00 00 000 03 02	Related industrial automation product	View Bently Nevada 330880 00 00 000 03 02 page
Bently Nevada 330101 00 60 90 01 05	Related industrial automation product	View Bently Nevada 330101 00 60 90 01 05 page
Bently Nevada 330104 11 25 10 02 00	Related industrial automation product	View Bently Nevada 330104 11 25 10 02 00 page
Bently Nevada 330102 04 25 10 02 00	Related industrial automation product	View Bently Nevada 330102 04 25 10 02 00 page
Bently Nevada 330910 00 07 05 02 CN	Related industrial automation product	View Bently Nevada 330910 00 07 05 02 CN page
Bently Nevada 330910 00 07 05 02 05	Related industrial automation product	View Bently Nevada 330910 00 07 05 02 05 page
ABB 3HAC5954 1	Related industrial automation product	View ABB 3HAC5954 1 page

APPLICATIONS & PRECAUTIONS

COMMON APPLICATIONS

Bearing temperature

Monitors six temperature points

Winding temperature

Accepts RTD and thermocouple sensors

Thermocouple supervision

Supports programmable protection alarms

TMR temperature protection

Supports documented TMR arrangements

PRODUCT PRECAUTIONS

- 1 Verify the complete 3500/60 marking and its assigned Bently Nevada 3500 System position before work.
- 2 Place the connected bearing temperature 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 winding temperature function and retain the final acceptance result.

ENGINEER FAQ

Q1 Which official channel count applies to Bently Nevada 3500/60?

Baker Hughes documents the channel count as six temperature channels. Verify this exact identity and its installed configuration before service.

Q2 How is the sensor inputs identified for Bently Nevada 3500/60?

Baker Hughes documents the sensor inputs as RTDs and thermocouples. Verify this exact identity and its installed configuration before service.

Q3 What recorder outputs is documented for Bently Nevada 3500/60?

Baker Hughes documents the recorder outputs as not provided on the 3500/60. Verify this exact identity and its installed configuration before service.

Q4 Which alarm handling must be retained for Bently Nevada 3500/60?

Baker Hughes documents the alarm handling as programmable alert and danger setpoints. Verify this exact identity and its installed configuration before service.

Q5 What does Baker Hughes specify as the tmr use for Bently Nevada 3500/60?

Baker Hughes documents the tmr use as groups of three monitors may be used in Triple Modular Redundant arrangements. Verify this exact identity and its installed configuration before service.

Q6 How should technicians verify the i/o choices of Bently Nevada 3500/60?

Baker Hughes documents the i/o choices as internal or external termination variants. Verify this exact identity and its installed configuration before service.

Q7 Which published isolation choices distinguishes Bently Nevada 3500/60?

Baker Hughes documents the isolation choices as non-isolated and isolated thermocouple configurations. Verify this exact identity and its installed configuration before service.

Q8 What is the documented isolated-channel rating used by Bently Nevada 3500/60?

Baker Hughes documents the isolated-channel rating as 250 V channel-to-channel for the isolated thermocouple I/O option. Verify this exact identity and its installed configuration before service.

SOURCE 3500/60 and 3500/61 Temperature Modules Datasheet | 141540 Rev. L

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