

INDUSTRIAL AUTOMATION PRODUCT

3500/60

Temperature Monitor

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

IDENTITY	VERIFIED VALUE
Manufacturer	Bently Nevada
System family	Bently Nevada 3500 System
Part number	3500/60

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Technical Specifications

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

PARAMETER	TECHNICAL 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
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 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	Monitors six temperature points
Controlled acceptance duty	Bearing temperature

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System Role and Architecture

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

FUNCTION 1

Monitors six temperature points

FUNCTION 2

Accepts RTD and thermocouple sensors

FUNCTION 3

Supports programmable protection alarms

FUNCTION 4

Supports documented TMR arrangements

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	Monitors six temperature points
Controlled acceptance duty	Bearing temperature

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Applications and Engineering Context

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

TECHNICAL NOTE

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

MODEL-SPECIFIC ACCEPTANCE EVIDENCE

CHECK	ACCEPTANCE CONDITION
Identity	3500/60 / 3500/60 recorded
Physical interface	Bently Nevada 3500 System
Companion check	the documented companion module
Functional proof	Monitors six temperature points
Application test	Bearing temperature

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Engineering 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.

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MANUFACTURER SOURCE RECORD

3500/60 and 3500/61 Temperature Modules Datasheet

141540 Rev. L

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