Bently Nevada 3300/61-03-01-01-00-00-00

01 Product function and configuration

Exact product role

Within a legacy 3300 monitoring rack, Bently Nevada 3300/61-03-01-01-00-00-00 combines dual-vector monitoring with an EPROM-based firmware architecture that must match the intended SDI/DDI communication path.

Technical specification summary

Technical item	Specification
Monitoring function	Dual Vector Monitor
Channel architecture	dual-vector measurement channels
System platform	Bently Nevada 3300 monitoring system
Firmware storage	EPROM on the main circuit board
SDI/DDI-compatible EPROM	89890-01
Firmware upgrade kit	104535-14
Internal SDI/DDI system monitor	3300/02 or 3300/03-02/-03
External SDI/DDI processors	SDIX/DDIX, TDIX or TDXnet CP
Firmware verification	read installed EPROM before communication changes
Replacement check	module seating and backplane connection
Channel acceptance	independent response check for both vector channels

Selected characteristics

Provides the 3300/61 dual-vector monitoring function.
Range and unit selection

Stores monitor firmware in an EPROM on the main circuit board.
Input compatibility

Uses EPROM part number 89890-01 for SDI/DDI-compatible operation.
Output hardware

Supports firmware upgrade kit 104535-14 when compatibility work is required.
Interface selection

Configuration notice

Confirm the complete 3300/61-03-01-01-00-00-00 marking and read the installed EPROM part number before moving settings, changing a system monitor or connecting an SDI/DDI communication processor.

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02 Technical selections in context

Configured measurement path

Order-code function	Selected configuration
Measurement range	Installed vector-channel ranges retained from the exact assembly
Input / processing	Dual-vector input arrangement retained from the exact assembly
Alarm relay option	Installed alarm interface retained
Safety-barrier option	Installed field interface retained
Approval selection	Installed marking must be verified
Range multiplier	Installed configuration must be verified

Signal-chain interpretation

The transducer, field wiring, monitor input, selected span and output path form one chain. Confirm them together when diagnosing scale, polarity, alarm or recorder discrepancies.

Technical decisions

Range suitability
Confirm Installed vector-channel ranges retained from the exact assembly covers the intended machine behavior.

Input match
Use Dual-vector input arrangement retained from the exact assembly and preserve its sensitivity.

Output match
Apply Installed alarm interface retained relay hardware as selected.

Interface match
Apply Installed field interface retained barrier arrangement and Installed configuration must be verified multiplication.

Do not infer unspecified data

Only exact-model technical selections are stated. Installation-specific setpoints, channel destinations and machine limits must be taken from the controlled site configuration.

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03 Applications and commissioning logic

Application areas

Vector monitoring Retain dual-vector operation in the 3300 rack.	**Internal SDI/DDI** Match the EPROM and system monitor.
External SDI/DDI Use a compatible communication processor.	**Replacement** Preserve hardware, firmware and channels.

Commissioning logic

01	Confirm model identity and rear interface.
02	Check input family and selected range.
03	Prove channel assignment with a controlled change.
04	Test indication, recorder output and alarm behavior separately.
05	Restore normal configuration and record the result.

Selected checks

Technical check	Required value
Firmware upgrade kit	104535-14
Internal SDI/DDI system monitor	3300/02 or 3300/03-02/-03
External SDI/DDI processors	SDIX/DDIX, TDIX or TDXnet CP
Firmware verification	read installed EPROM before communication changes
Replacement check	module seating and backplane connection
Channel acceptance	independent response check for both vector channels

Machine application

3300/61 Dual Vector Monitor is used for 61-family monitoring functions represented by the selected input and range. Apply site alarm limits only after the complete response is confirmed.

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04 Model-specific technical questions

Questions 1–4

Where is the firmware stored in Bently Nevada 3300/61-03-01-01-00-00-00?
The 3300/61 firmware is held in an EPROM located on the monitor main circuit board. Its part number should be recorded during compatibility checks.

Which EPROM supports SDI/DDI operation in Bently Nevada 3300/61-03-01-01-00-00-00?
EPROM part number 89890-01 is identified for SDI/DDI-compatible 3300/61 operation. The installed device should be checked rather than assumed from the front label.

Which firmware upgrade kit applies to Bently Nevada 3300/61-03-01-01-00-00-00?
Firmware upgrade kit 104535-14 is assigned to the 3300/61 Dual Vector Monitor when an SDI/DDI-compatible upgrade is required.

Which rack system monitors can carry internal SDI/DDI communication for Bently Nevada 3300/61-03-01-01-00-00-00?
Internal SDI/DDI communication can use a 3300/02 or a 3300/03-02 or -03 System Monitor, provided the individual monitor firmware is compatible.

Selected hardware context

Item	Configuration
Measurement range	Installed vector-channel ranges retained from the exact assembly
Input / processing	Dual-vector input arrangement retained from the exact assembly
Alarm relay option	Installed alarm interface retained
Safety-barrier option	Installed field interface retained
Approval selection	Installed marking must be verified
Range multiplier	Installed configuration must be verified

Question scope

The questions focus on the range, input and interface options in this exact model. They are not generic interchangeability claims for every monitor in the same family.

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05 Configuration, testing and related products

Questions 5–8

Which external communication processors may be paired with Bently Nevada 3300/61-03-01-01-00-00-00?
The 3300 compatibility guidance identifies SDIX/DDIX, TDIX and TDXnet CP as external SDI/DDI-compatible communication-processor paths.

Is Bently Nevada 3300/61-03-01-01-00-00-00 interchangeable with a 3500/61 temperature monitor?
No. The 3300/61 is a Dual Vector Monitor in the 3300 platform, whereas 3500/61 identifies a different temperature-monitoring product family and configuration architecture.

What should be checked if Bently Nevada 3300/61-03-01-01-00-00-00 loses SDI/DDI communication after replacement?
Check the installed EPROM, module seating, backplane connection, system-monitor type and the selected internal or external communication processor before changing measurement settings.

Which acceptance sequence is appropriate for Bently Nevada 3300/61-03-01-01-00-00-00?
Confirm exact identity and firmware first, then prove each vector channel, its indication and alarm response, followed by the configured SDI/DDI communication path and return to the normal protection state.

Related Bently Nevada products

Bently Nevada 3300/16-02-01-00-00-00-00

Bently Nevada 3300/20-12-01-01-00-00

Bently Nevada 3300/35-13-01-01-00-00

Bently Nevada 3300/65-13-01-00-00-01-00

Selection caution

Related links support product comparison only. Confirm input family, sensitivity, range, relay hardware, barriers and approvals for every alternative before selection.

Release criterion

Return the channel to service only after its measured response, output behavior and protection-state restoration agree with the approved machine configuration.