3300/03-03-00

01 / Product identity and control context

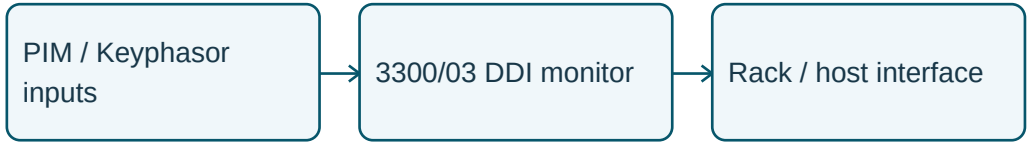
System Monitor

Bently Nevada 3300/03-03-00 is a 3300 System Monitor with a Dynamic Data Interface, rack supervision and Keyphasor signal handling.

Key characteristics

Product type	DDI System Monitor
System family	3300 Monitoring System
Keyphasor inputs	Four via the Power Input Module
Agency option	00 - Not Required

Functional relationship



Exact interface identity

Confirm 3300/03-03-00, its DDI hardware and any revision or modification marking.

Configuration boundary

The -03 data-interface option is DDI and the -00 agency option is Not Required. Rack backplane, power supply, monitor firmware and jumper settings must form a compatible system.

Product and installation enquiries

sales13@apterpower.com | +86 18030235313

Apply manufacturer instructions and approved site procedures.

3300/03-03-00

02 / Technical characteristics

Hardware and functional data

Manufacturer	Bently Nevada
Product series	3300 Monitoring System
Product type	System Monitor
Data-interface option	03: Dynamic Data Interface (DDI)
Agency approval option	00: Not Required
Keyphasor inputs	4 through the Power Input Module
Keyphasor availability	2 to rack monitors; all 4 to DDI

Interfaces and operating conditions

Power-up inhibit delay	2.1 ± 1 s
Active contact resistance	<100 ohms for reset, inhibit, OK and trip multiply contacts
Transducer supply selection	-18 V DC or -24 V DC; match power-supply setting
Operating temperature	0 to +65 °C
Storage temperature	-40 to +85 °C
Relative humidity	0 to 95%, noncondensing
System OK relay	Normally energized SPDT; on the PIM

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03 / Application and integration contexts

Dynamic-data acquisition

Combine the DDI with compatible monitor firmware and the correct host interface to collect dynamic and static machinery data. Preserve the installed communication configuration.

Rack health supervision

Use SUPPLIES OK and the normally energized system OK relay to identify supply or connected transducer-system problems. Interpret a not-OK condition separately from a machinery alarm.

Rack relationship

Match the SDI/DDI backplane, 3300/12 or applicable 3300/14 supply, PIM and individual monitor firmware.

Speed-reference distribution

Distribute Keyphasor references through the PIM, with two signals available to rack monitors and four to the DDI. Match signal assignments and front-panel buffered test connections.

Startup and coastdown coordination

Use an approved Trip Multiply configuration during operating conditions with temporarily elevated vibration. Only monitors equipped for this option respond to the selected 2X or 3X multiplication.

Jumper configuration

Record the data-interface jumper arrangement and match -VT selection in the System Monitor and power supply.

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04 / Installation and release decisions

Isolate the rack

Power down the rack before installing or removing the System Monitor. Coordinate the loss of monitoring with the approved machinery operating procedure.

Preserve the DDI configuration

Record the installed data-interface boards and jumper positions before service. Do not assume that an unconfigured replacement has the correct communication arrangement.

Match transducer power

Set the System Monitor and supply -VT selections to the same -18 V DC or -24 V DC value. Check the connected transducer requirements before energization.

Understand rack inhibit

Rack inhibit disables all alarms, zero-scales outputs and de-energizes the OK relay. Control and clear this condition through the approved commissioning procedure.

Verify Trip Multiply eligibility

Trip Multiply affects only monitors ordered with the option. Preserve their intended 2X or 3X selection and confirm the initiating contact logic.

Complete functional checks

Verify the supply indicators and system functions, then check each assigned Keyphasor input and communication path. Resolve abnormal results before returning the machinery monitoring system to service.

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05 / Lifecycle, evidence and related portfolio

Lifecycle status

The 3300 platform entered its obsolete phase in March 2014, with limited repairs ending in 2017. This platform history is not a unit-specific assessment of remaining service life. Confirm current support and replacement planning for the complete installed configuration with Bently Nevada.

Supply boundary

Apter Power availability and dispatch are confirmed separately from the manufacturer lifecycle phase.

Technical basis

Bently Nevada 3300/03 System Monitor Operation Manual, 89604-01 Rev. F (08/07); 3300 System Compatibility Guide, 104003-01 Rev. G (08/07).

Related product references

Bently Nevada 3300/03-02-01

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

Bently Nevada 3300/55-01-04-18-18-00-00-05-00

Navigation only; no substitute or accessory compatibility is implied.

Offered-unit verification

Compare the complete label, connectors, mounting arrangement and applicable hardware/software revision. Confirm included components and accompanying documents in the quotation.

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