3300/05-22-01-00

01 / Product identity and control context

Monitoring System Rack

Bently Nevada 3300/05-22-01-00 is a 6-position 3300 monitoring rack with an SDI/DDI-compatible backplane and standard mounting.

Key characteristics

Product type	3300 Monitoring System Rack
Rack capacity	6 total positions
Backplane family	SDI/DDI compatible
Mounting option	00 - Standard

Functional relationship



Position schedule

Confirm 3300/05-22-01-00, 6 total positions and 4 measurement-monitor positions after the power and system-monitor positions.

Configuration boundary

Rack size option 22 provides 6 positions; agency option 01 and mounting option 00 apply to this order code. Monitoring and communication functions depend on the separately configured modules.

Product and installation enquiries

sales13@apterpower.com | +86 18030235313

Apply manufacturer instructions and approved site procedures.

3300/05-22-01-00

02 / Technical characteristics

Hardware and functional data

Manufacturer	Bently Nevada
Product series	3300 Monitoring System
Product type	Monitoring System Rack
Rack size option	22: 6 positions
Measurement-monitor positions	4, after power supply and system monitor
Backplane family	SDI/DDI compatible
Power-supply position	Position 1, leftmost

Interfaces and operating conditions

System-monitor position	Position 2
Rear module provision	Signal Input/Relay Module position for each measurement monitor
Agency approval option	01: CSA/NRTL/C
Mounting option	00: Standard
Mainframe construction	Sectional injection-molded, conductive antistatic material
Point identification	Engraved bezel tags or paper tags under clear strips
CSA/NRTL/C option conditions	Class I, Div. 2, Groups A/B/C/D; T4 at Ta max. 65 °C

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03 / Application and integration contexts

4-monitor rack organization

Arrange up to 4 individual measurement monitors alongside the dedicated power-supply and system-monitor positions. Maintain a complete position schedule for the 6-position assembly.

SDI/DDI system integration

Build the rack configuration around a compatible 3300/03 System Monitor, appropriate power supply and SDI/DDI-capable monitor firmware. Match the installed interface option before connecting a host.

Backplane compatibility

Verify the SDI/DDI-compatible backplane, appropriate power supply, system-monitor type and individual monitor firmware as one system.

TDe configuration support

Use the SDI/DDI-compatible backplane with a 3300/02 TDe System Monitor, suitable supply and compatible monitor firmware when the approved system is configured for TDe.

Rear field-interface organization

Keep each Signal Input/Relay Module aligned with its measurement-monitor position. Preserve terminal identification and bezel tags to maintain the relationship between field signals and displayed machinery points.

Installation option

Confirm standard mounting option 00 and agency option 01; preserve the applicable equipment labels and enclosure conditions.

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04 / Installation and release decisions

Retain complete option codes

Use the full 3300/05-22-01-00 reference. Rack size, agency approval and mounting options are separate selections and must not be inferred from appearance.

Plan dedicated rack positions

Reserve positions 1 and 2 for the power supply and system monitor. The 4 remaining positions are for individual measurement monitors, not 6 measurement channels.

Match backplane and supply

Original and SDI/DDI-generation power supplies and backplanes are not freely interchangeable. Identify both assemblies and the PIM before replacement.

Preserve rear-module pairing

Keep each front monitor paired with the correct Signal Input/Relay Module and field connections. Record wiring and point labels before disconnection.

Maintain installation clearances

Use the applicable rack mounting drawing and retain rear access for module removal. Isolate the rack and use appropriate ESD precautions during assembly service.

Verify complete system operation

After installation, validate supply and system-monitor indications, monitor firmware compatibility, communication and the affected channel and relay functions before release.

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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 3300/05 Rack Specifications and Ordering Information, 141492-01 Rev. F (04/07); 3300 System Compatibility Guide, 104003-01 Rev. G (08/07).

Related product references

Bently Nevada 3300/26-XX-XX-XX-00-00-01-00

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

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

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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