Bently Nevada 3300/03-02-01

Complete Product Information

Executive product dashboard

The Bently Nevada 3300/03-02-01 is a 3300 rack System Monitor configured with the internal Serial Data Interface and CSA approval. It coordinates rack-wide status, reset, inhibit, OK-relay and Keyphasor functions while supporting the installed monitor set.

PRODUCT TYPE	**System Monitor**	INTERFACE	**Internal SDI**	APPROVAL	**CSA**	PLATFORM	**3300 rack**

POWER INPUT MODULE	3300/03-02-01	INSTALLED MONITORS
Reset | Inhibit | OK relay | Trip Multiply | Keyphasor	Supply supervision | SDI | common rack controls	Alarm status | transducer OK | static-data paths

Read the complete configuration

3300/03	System Monitor for common functions of the 3300 rack; individual monitor channels retain their own measurement and alarm duties.
02 / 01	02 selects the internal Serial Data Interface. 01 identifies CSA approval. Preserve both option codes when specifying the unit.
Site-dependent settings	The -18 V / -24 V transducer supply selection and installed monitor options must be checked separately against the actual rack.

01 System function map

Power-up inhibit

Inhibits monitor alarms during power-up or when a system supply falls below its operating level; delay is 2.1 +/- 1 seconds.

Rack inhibit

An external contact closure places all monitors in bypass, disables alarms, zero-scales outputs and de-energizes the system OK relay.

Supply supervision

Seven internal indications supervise +VRH, +VRL, +7.5 V, +5 V, REF, -7.5 V and -VT; the front-panel SUPPLIES OK LED summarizes their state.

System reset

The front-panel RESET switch or an external PIM contact closure initiates a rack System Reset.

OK relay

A normally energized SPDT relay reports a monitor not-OK condition and also changes state on rack mains-power loss.

Alarm setpoint adjust

Front-panel upscale and downscale switches adjust monitor alarm setpoint levels.

Keyphasor distribution

The System Monitor receives four Keyphasor inputs, provides two to rack monitors and buffers front-panel signals while supplying short-circuit-protected power.

Internal SDI

The 02 order-code option selects the internal Serial Data Interface; its interface hardware must remain distinct from DDI configuration.

Trip Multiply depends on the installed monitors

A PIM contact activates the function and a red front-panel LED indicates that it is active. Only monitors ordered with this option respond, increasing Alert and Danger setpoints by 2X or 3X according to their factory option.

02 Verified technical data

ENGINEERING ITEM	VERIFIED VALUE
Order-code function	02 = internal Serial Data Interface; 01 = CSA approval
Power-up inhibit delay	2.1 +/- 1 seconds
+VRH / +VRL	23.65 +/- 6.35 Vdc / 11.22 +/- 3.09 Vdc
+7.5 V / +5 V	7.5 +/- 0.1 Vdc / 5.00 +/- 0.05 Vdc
Reference / -7.5 V	5.00 +/- 0.009 Vdc / -7.5 +/- 0.1 Vdc
-VT supply options	-23.75 +/- 0.45 Vdc or -17.9 +/- 0.4 Vdc
Keyphasor output, 24 V option	-23.2 to -24.2 Vdc; short-circuit protected
Keyphasor output, 18 V option	-17.4 to -18.3 Vdc; short-circuit protected
Active contact closure	Less than 100 ohms for Reset, Inhibit, OK and Trip Multiply
Operating temperature	0 to +65 deg C
Storage temperature	-40 to +85 deg C
Humidity	0 to 95% noncondensing

Supply values: no external loads, normal operation, 25 deg C. Internal -VT supply tolerances and Keyphasor output ranges describe different measurement points.

Interpreting the reference values

Use the selected -VT option for the corresponding Keyphasor power check. A front SUPPLIES OK indication summarizes all seven monitored supplies; the relay state also depends on inhibit and monitor OK conditions. Evaluate these signals together with the installed rack configuration.

03 Engineering decisions and precautions

Match the complete marking

Retain 3300/03-02-01 as one identity. The 02 data-interface code and 01 approval code are part of the supplied configuration.

Control the protection consequence

Before removal, place connected alarms and shutdown circuits in the approved maintenance state.

Power down before module movement

The official procedure requires rack power to be removed before installing or withdrawing the System Monitor.

Match -VT selections

Use W2 for -18 V or W1 for -24 V, and match the System Monitor selection to the rack power supply.

Keep SDI and DDI distinct

The exact model selects internal SDI. Do not treat DDI functions, boards or communication results as proof of the SDI configuration.

Prove common rack functions

After installation, verify SUPPLIES OK, System Reset, Rack Inhibit, Trip Multiply, OK relay and required Keyphasor paths.

Lifecycle boundary

Baker Hughes classifies the 3300 platform as obsolete (Phase 5) and states that repair and replacement support ended in 2017. This platform statement does not confirm the condition or availability of a particular 3300/03-02-01 offered unit; those are confirmed separately in the quotation.

Configuration cross-check

Transducer voltage	-18 V: install W2, remove W1. -24 V: install W1, remove W2. Match the rack power-supply setting before energizing.
Internal SDI routing	The internal interface group uses W3C, W3D, W4A-W4H, W7, W8D and W8E. Board identity still determines SDI versus DDI.

04 Sources, related portfolio and contact

Questions to settle before selection

Does 02 mean DDI?	No. The 02 ordering option is internal SDI. A shared internal-interface jumper group does not make the SDI and DDI boards equivalent.
Does the code set -VT?	No. Check the jumper-programmed -VT selection against the rack power supply; the available settings are -18 V and -24 V.
Are related models substitutes?	The linked products provide portfolio navigation. Confirm exact marking, interface and rack requirements separately before selecting a unit.

Canonical manufacturer source
3300/03 System Monitor Operation Manual, 89604-01 Rev. F (08/07)

Applicability
System Monitor functions, ordering options, programmable options, operational testing and specifications for the 3300/03 family. The complete order code resolves to internal SDI plus CSA approval.

Bently Nevada 330104-00-10-10-02-05	View product
Bently Nevada 330130-080-01-CN	View product
Bently Nevada 330703-000-040-10-02-00	View product
Bently Nevada 330106-05-30-05-02-05	View product

Request exact-model review
sales13@apterpower.com | +86 18030235313

Send the complete marking, rack configuration, interface details, quantity and required date.

Document identity
Apter Power complete product information
Exact model: 3300/03-02-01
Source scope: Bently Nevada 3300/03

Recommendations are navigation references only and do not imply interchangeability or compatibility.