

INDUSTRIAL AUTOMATION PRODUCT

3300/20

Thrust Position Monitor

Bently Nevada 3300/20 is a legacy 3300-series thrust-position monitor used in turbine supervisory instrumentation systems.

IDENTITY	VERIFIED VALUE
Manufacturer	Bently Nevada
System family	Bently Nevada 3300 System
Part number	3300/20

APTER POWER SALES TEAM

- WHATSAPP / PHONE

+86 180 3023 5313
- EMAIL

sales13@apterpower.com
- WEBSITE

www.apterpower.com



2

Technical Specifications

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

PARAMETER	TECHNICAL VALUE
monitor function	thrust position
system family	legacy 3300 monitoring system
measurement class	position measurement
application system	turbine supervisory instrumentation
machine classes	steam and gas turbines
protection purpose	position-related machinery protection
official replacement family	3500 ENCORE 3500/45E position monitor
replacement scope	one of six legacy 3300 position-monitor types replaced by 3500/45E

ENGINEERING DATA SUMMARY

DATA GROUP	VERIFIED ASSIGNMENT
Installed host / carrier	Bently Nevada 3300 System
Companion hardware	the documented companion module
Field connection	approved field wiring
Primary system function	Monitors axial thrust position
Controlled acceptance duty	Steam-turbine thrust protection

3

System Role and Architecture

Bently Nevada 3300/20 is a legacy 3300-series thrust-position monitor used in turbine supervisory instrumentation systems.

FUNCTION 1
Monitors axial thrust position

FUNCTION 2
Belongs to the legacy 3300 platform

FUNCTION 3
Supports turbine supervisory instrumentation

FUNCTION 4
Has an official 3500 ENCORE replacement path

Matched system components

- Bently Nevada 3300 System
- the documented companion module
- approved field wiring
- the controlled rack configuration

SYSTEM INTEGRATION RECORD

INTEGRATION ITEM	DOCUMENTED ROLE
Installed host / carrier	Bently Nevada 3300 System
Companion hardware	the documented companion module
Field connection	approved field wiring
Primary system function	Monitors axial thrust position
Controlled acceptance duty	Steam-turbine thrust protection

4

Applications and Engineering Context

Steam-turbine thrust protection

Monitors axial thrust position

Gas-turbine axial position

Belongs to the legacy 3300 platform

Legacy TSI service

Supports turbine supervisory instrumentation

3500 ENCORE migration

Has an official 3500 ENCORE replacement path

TECHNICAL NOTE

Official current literature identifies the function and successor but does not republish all legacy electrical limits; use the installed 3300 manual and controlled drawing for terminal-level work.

MODEL-SPECIFIC ACCEPTANCE EVIDENCE

CHECK	ACCEPTANCE CONDITION
Identity	3300/20 / 3300/20 recorded
Physical interface	Bently Nevada 3300 System
Companion check	the documented companion module
Functional proof	Monitors axial thrust position
Application test	Steam-turbine thrust protection

5

Engineering Precautions

- 1 Verify the complete 3300/20 marking and its assigned Bently Nevada 3300 System position before work.
- 2 Place the connected steam-turbine thrust protection 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.

RELATED PRODUCTS ON APTER POWER

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MANUFACTURER SOURCE RECORD

Baker Hughes ORBIT Vol. 32 No. 4 - 3500 ENCORE Position Monitor
ORBIT 2012 Q4

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EMAIL sales13@apterpower.com
WEBSITE www.apterpower.com

