

INDUSTRIAL AUTOMATION PRODUCT

3500/94

3500/94 VGA Display Module

Bently Nevada 3500/94 is the VGA display module for a 3500 machinery-protection rack. It provides local access to rack measurement and status information through the configured display system.

IDENTITY	VERIFIED VALUE
Manufacturer	Bently Nevada
System family	3500 Machinery Protection System
Part number	3500/94
Country	USA
HS code	8537101190

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Technical Specifications

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

PARAMETER	TECHNICAL VALUE
Product family	3500
Module function	VGA display interface
Operation manual document	148636
Display firmware requirement	Revision C or later
Rack Configuration Software	3500/01 version 4.5 or later
Data Display Software	3500/02 version 2.21 or later
Data Acquisition Software	3500/03 version 2.4 or later
Agency option codes	00; 01; 02
Additional country option codes	AE; AE0; AZ; AZ0; BR; CN; IN; KR; TW; UK; ZA

ENGINEERING DATA SUMMARY

DATA GROUP	VERIFIED ASSIGNMENT
Installed host / carrier	3500 rack
Companion hardware	compatible VGA display assembly
Field connection	3500/01 Rack Configuration Software
Primary system function	Provides a local VGA display interface for the 3500 monitoring rack
Controlled acceptance duty	Local machinery-condition display

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System Role and Architecture

Bently Nevada 3500/94 is the VGA display module for a 3500 machinery-protection rack. It provides local access to rack measurement and status information through the configured display system.

FUNCTION 1

Provides a local VGA display interface for the 3500 monitoring rack

FUNCTION 2

Presents rack measurement and status information to operations personnel

FUNCTION 3

Works with the 3500 software and firmware revisions defined for the installed rack

FUNCTION 4

Supports engineered machinery-protection operator-display installations

Matched system components

- 3500 rack
- compatible VGA display assembly
- 3500/01 Rack Configuration Software
- 3500 Data Display environment

SYSTEM INTEGRATION RECORD

INTEGRATION ITEM	DOCUMENTED ROLE
Installed host / carrier	3500 rack
Companion hardware	compatible VGA display assembly
Field connection	3500/01 Rack Configuration Software
Primary system function	Provides a local VGA display interface for the 3500 monitoring rack
Controlled acceptance duty	Local machinery-condition display

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Applications and Engineering Context

Local machinery-condition display

Provides a local VGA display interface for the 3500 monitoring rack

Protection-rack operator station

Presents rack measurement and status information to operations personnel

Maintenance status review

Works with the 3500 software and firmware revisions defined for the installed rack

Control-room rack visualization

Supports engineered machinery-protection operator-display installations

TECHNICAL NOTE

Confirm the installed 3500/94 hardware revision, display cable arrangement and firmware compatibility before replacement. Restore the approved display configuration and verify rack status, measurement pages and communication indications under controlled conditions.

MODEL-SPECIFIC ACCEPTANCE EVIDENCE

CHECK	ACCEPTANCE CONDITION
Identity	3500/94 / 3500/94 recorded
Physical interface	3500 rack
Companion check	compatible VGA display assembly
Functional proof	Provides a local VGA display interface for the 3500 monitoring rack
Application test	Local machinery-condition display

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Engineering Precautions

1

Verify the complete 3500/94 marking and assigned rack slot before removal.

2

Place the connected machinery-protection rack in the approved maintenance state.

3

Isolate display power and communication cabling before disturbing connectors.

4

Use ESD controls and protect the VGA and backplane interfaces during handling.

5

Record firmware revision and display configuration before replacement.

RELATED PRODUCTS ON APTER POWER

MODEL	SYSTEM ROLE	APTER POWER PAGE
3500/20 125744-02	Rack interface module	Open product page
3500/40M 176449-01	Proximator monitor	Open product page
3500/45 140072-04	Position monitor configuration	Open product page
3500/60 163179-01	Temperature monitor	Open product page
3500/64M 140734-05	Dynamic pressure monitor	Open product page

MANUFACTURER SOURCE RECORD

3500 Manuals and Datasheets

141526 Rev. G

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