

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.

PRODUCT SNAPSHOT

BRAND

Bently Nevada

FAMILY

3500 Machinery Protection System

PART

3500/94

ORIGIN / HS

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3500/94

PRODUCT OVERVIEW

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.

1

Provides a local VGA display interface for the 3500 monitoring rack

2

Presents rack measurement and status information to operations personnel

3

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

4

Supports engineered machinery-protection operator-display installations

SYSTEM COMPONENTS

3500 rack

compatible VGA display assembly

3500/01 Rack Configuration Software

3500 Data Display environment

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

TECHNICAL DATA

PARAMETER	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

PARAMETER	VALUE
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

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.

APPLICATIONS & PRECAUTIONS

COMMON APPLICATIONS

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

PRODUCT 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.
- 6 Confirm the rack software versions meet the installed module requirements.
- 7 Restore display pages and communication settings from the approved record.
- 8 Verify live values, alarm status and rack communication before operational release.

ENGINEER FAQ

Q1 What is the system role of 3500/94?

It is the VGA display module used to present measurement and status information from a 3500 machinery-protection rack.

Q2 Which manual identifies the 3500/94 display module?

The official 3500 document index lists operation manual 148636 for the 3500/94 VGA Display Module.

Q3 What firmware revision should be checked for 3500/94?

The official 3500 module requirements identify revision C or later for the 3500/94 VGA display.

Q4 Which rack software should be checked before servicing 3500/94?

Verify the installed 3500/01 Rack Configuration, 3500/02 Data Display and 3500/03 Data Acquisition software against the rack's approved baseline.

Q5 What should be recorded before replacing 3500/94?

Record the rack slot, firmware revision, display cabling, screen configuration and communication status.

Q6 How should display cabling be handled on 3500/94?

Isolate the display system, identify each connector and protect the VGA and communication interfaces from ESD and mechanical damage.

Q7 How is a replacement 3500/94 verified?

Confirm rack communication, live measurements, alarm banners, page navigation and display stability with the machine in a controlled state.

Q8 Can 3500/94 configuration be copied from an unrelated rack?

Use only the approved configuration and software baseline for the target rack, because display pages and module revisions are installation-specific.