

INDUSTRIAL AUTOMATION PRODUCT

3500/94M

3500/94M VGA display monitor

High-speed rack data to VGA display and RS-232 touch controller

IDENTITY	VERIFIED VALUE
Manufacturer	Bently Nevada
System family	3500 VGA display system
Part number	3500/94M
Country	USA
HS code	8537101190

APTER POWER SALES TEAM

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Technical Specifications

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

PARAMETER	TECHNICAL VALUE
Complete model	3500/94M
Product type	VGA display monitor
Rack data interface	High-speed 3500 serial data
Display output	VGA
Touch-controller interface	RS-232
Status indicators	OK and COMM LEDs
Power consumption	4.6 W maximum
Operating temperature	-30 to +65 degC
Storage temperature	-40 to +85 degC
Humidity	95%, noncondensing

ENGINEERING DATA SUMMARY

DATA GROUP	VERIFIED ASSIGNMENT
Installed host / carrier	3500 monitoring rack
Companion hardware	compatible VGA display
Field connection	RS-232 touch controller
Primary system function	Uses high-speed rack data
Controlled acceptance duty	Local rack status display

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System Role and Architecture

High-speed rack data to VGA display and RS-232 touch controller

FUNCTION 1

Uses high-speed rack data

FUNCTION 2

Supports a VGA operator display

FUNCTION 3

Provides RS-232 touch-controller communication

FUNCTION 4

Reports operating state through OK and COMM indicators

Matched system components

- 3500 monitoring rack
- compatible VGA display
- RS-232 touch controller
- approved display and configuration cabling

SYSTEM INTEGRATION RECORD

INTEGRATION ITEM	DOCUMENTED ROLE
Installed host / carrier	3500 monitoring rack
Companion hardware	compatible VGA display
Field connection	RS-232 touch controller
Primary system function	Uses high-speed rack data
Controlled acceptance duty	Local rack status display

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Applications and Engineering Context

Local rack status display

Uses high-speed rack data

Operator machinery overview

Supports a VGA operator display

Maintenance diagnostics station

Provides RS-232 touch-controller communication

3500 display-system renewal

Reports operating state through OK and COMM indicators

TECHNICAL NOTE

Verify 3500/94M, the display-system assembly role, rack communications cable, VGA output, touch-controller link and configured display database before replacement; test OK and COMM indications after restart.

MODEL-SPECIFIC ACCEPTANCE EVIDENCE

CHECK	ACCEPTANCE CONDITION
Identity	3500/94M / 3500/94M recorded
Physical interface	3500 monitoring rack
Companion check	compatible VGA display
Functional proof	Uses high-speed rack data
Application test	Local rack status display

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Engineering Precautions

1

Verify the complete 3500/94M marking and its assigned 3500 VGA display system position before work.

2

Place the connected local rack status display process in the approved maintenance state.

3

Isolate applicable power and high-speed rack data to vga display and rs-232 touch controller field energy before disconnecting conductors.

4

Record connector, conductor, address, firmware and software identities before removal.

5

Use ESD controls and protect keyed interfaces, exposed contacts and electronic assemblies.

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MANUFACTURER SOURCE RECORD

Bently Nevada 3500/94M VGA Display Monitor Datasheet

122M3217 Rev. N

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