

INDUSTRIAL AUTOMATION PRODUCT

3500/94 145988-01

3500/94 legacy VGA display module

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	3500/94 145988-01
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	3500/94 145988-01
Assembly	145988-01
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 3500/94 145988-01, 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	3500/94 145988-01 / 3500/94 145988-01 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 3500/94 145988-01 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.

RELATED PRODUCTS ON APTER POWER

MODEL	SYSTEM ROLE	APTER POWER PAGE
Bently Nevada 330190 040 00 05	Related Bently Nevada machinery-monitoring product	View Bently Nevada 330190 040 00 05 page
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Bently Nevada 330880 28 15 042 00 02	Related Bently Nevada machinery-monitoring product	View Bently Nevada 330880 28 15 042 00 02 page
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Bently Nevada 86691 00680 0350 90 05	Related Bently Nevada machinery-monitoring product	View Bently Nevada 86691 00680 0350 90 05 page
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Bently Nevada 84510 70	Related Bently Nevada machinery-monitoring product	View Bently Nevada 84510 70 page

MANUFACTURER SOURCE RECORD

Bently Nevada 3500/94M VGA Display Monitor Datasheet

122M3217 Rev. N

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