Bently Nevada 3500/94M

01 Define the service boundary

1 Identify the installed display assembly

Record 3500/94M and whether the job concerns the main module, normal I/O or power-only front-mount I/O. Retain the actual display and mounting arrangement.

2 Capture display configuration

Save custom-screen and machine-train grouping information. If a router is used, record all rack identities and their assigned cable connections.

Assembly role	VGA display monitor
Video interface	Analog VGA:RGB and sync
Touch interface	RS232

02 Prepare the installation

1 Prepare the display service boundary

Keep machinery protection under the approved plant procedure while the operator display is unavailable. Do not treat display access as the protection logic itself.

2 Check the cable reach

Confirm the direct VGA/router cables remain within the supported 6 m arrangement. For extended links, identify the supported KVM and safe-area installation.

System direct cable	Up to 6 m
System custom screens	Up to 9
Optional router	Up to 4 racks

03 Restore connections and settings

1 Restore the matching hardware

Fit the intended main/I/O components and preserve normal versus power-only I/O selection. Reconnect the existing video, touch and power circuits by label.

2 Restore the rack/display mapping

Reconnect router ports to the retained racks and restore the intended custom screens. Avoid a correct-looking screen attached to the wrong rack identity.

Video	VGA
Touch data	RS232
Component choice	Normal versus power-only I/O

04 Verify the operating response

1 Verify video and touch

Observe readable VGA output and exercise touch selections. Confirm both interfaces respond through the installed cable or KVM path.

2 Check data and event presentation

Compare live channel data, alarm/OK states and event lists with the intended rack. For a router, test selection and state indication for every connected rack.

Data proof	Correct rack, channel and event identity
Interaction proof	Readable video and working touch

05 Release and retain the evidence

1 Confirm remote-link conditions

Verify that a KVM transmitter/receiver remains in the required safe area or approved enclosure. Resolve image degradation or missing touch data before release.

2 Retain the display baseline

Record component identities, cable map, screens and completed tests. Return operator access only after the actual displayed rack and alarm states are confirmed.

Technical basis: Bently Nevada 3500/94M VGA Display Monitor, 122M3217 Rev. N.

Related product navigation

Bently Nevada 3500/15 127610-01

Bently Nevada 3500/22M 138607-01

These are related references, not confirmed substitutes or an automatically approved assembly.