Bently Nevada 2300/25

01 Define the service boundary

1 Preserve measurement assignments

Record both vibration sensor types, sensitivities, scales and filters, together with the speed sensor and event-per-revolution configuration.

2 Retain the integration path

Identify the Trendmaster SPA connection, Ethernet settings and Modbus mapping. Do not substitute a current-loop assumption for the SPA-output arrangement.

Vibration inputs	2
Speed input	1
Input conversion	Independent 24-bit ADCs

02 Prepare the installation

1 Manage protection during service

Place the monitored machine in its approved maintenance condition. Record relay logic, bypass and reset behavior before disconnecting any field circuit.

2 Check source and sensor circuits

Verify 18-36 VDC supply and the configured sensor wiring. Keep the main vibration inputs and dedicated speed path identified separately.

Power input	18-36 VDC
Maximum consumption	7.5 W
SPA frequency response	10-3000 Hz;+/-5%

03 Restore connections and settings

1 Restore the exact unit

Match 2300/25 and the supplied option markings. Reconnect the SPA interface, Ethernet and field circuits using the retained channel and terminal map.

2 Restore the alarm baseline

Load the retained measurement groups, filters, setpoints and relay states. Confirm configuration-lockout and bypass contacts are in their intended test condition.

Integration	SPA plus configured Ethernet
Alarm baseline	Setpoints, relay states and local contacts

04 Verify the operating response

1 Test known vibration and speed signals

Compare input references with displayed measurements and the corresponding buffered BNC outputs. Check speed/event scaling rather than only the presence of pulses.

2 Verify the SPA and relay paths

Confirm the receiving Trendmaster signal and actual relay circuit behavior. An on-screen alarm alone does not establish the external contact path.

Reference test	Vibration and speed channels
Output proof	Receiving SPA signal and actual relay circuit

05 Release and retain the evidence

1 Test local control functions

Exercise the authorized reset, configuration-lock and bypass functions. Remove only the maintenance states that have been approved for release.

2 Retain the monitoring evidence

Record the complete model, channel configuration, network/SPA settings, alarm tests and final relay response with the machine baseline.

Technical basis: Bently Nevada 2300/20 and 2300/25 Vibration Monitors, 105M0340 Rev.AD.

Related product navigation

Bently Nevada 991-06-XX-01-05 MOD:164113-01

Bently Nevada 991-06-70-02-05

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