Bently Nevada 9200-01-01-10-00

01 Establish the casing reference

Identify the bearing-housing measurement location on the maintenance drawing. Note the sensitive-axis direction and the receiving instrument connection before disturbing the installation, with the machine in the approved maintenance condition.

Retain a baseline from the same machine location and sensitive axis. Record the receiver range and engineering units with that baseline so the post-installation comparison does not mix casing velocity with another measurement quantity.

Record to retain	Establish the casing reference
Circuit or system boundary	Seismoprobe velocity system

02 Keep the mounting base mechanically rigid

Inspect the M10 x 1 attachment and mating surface. Correct damage or looseness so that the case follows the machine surface rather than an unsupported bracket.

Inspect the seating faces before tightening the transducer. A stable attachment should not rock under a light installation check; resolve damaged threads or an uneven contact face before collecting a vibration baseline.

Record to retain	Keep the mounting base mechanically rigid
Circuit or system boundary	Seismoprobe velocity system

03 Trace the passive signal pair

Identify pins A and B through the interconnect cable. Keep the transducer signal separate from powered transmitter wiring; this moving-coil device does not require an excitation supply.

With the receiving equipment in its maintenance state, trace each conductor to its assigned terminal. Keep the signal reference consistent through junctions; a reversed pair changes phase interpretation even when the amplitude appears plausible.

Record to retain	Trace the passive signal pair
Circuit or system boundary	Seismoprobe velocity system

04 Check the receiver loading

Record the monitor input impedance and velocity scale. Resolve deviations from the calibration load before accepting a change in indicated vibration.

Record every device connected to the signal pair during acceptance. Compare readings with the normal receiver alone and with the intended test instrument connected; investigate a load-dependent change before releasing the measurement.

Record to retain	Check the receiver loading
Circuit or system boundary	Seismoprobe velocity system

9200-01-01-10-00

05 Compare controlled motion and phase

Use a suitable calibrated vibration reference with the machine safely isolated. Check indicated amplitude and polarity over relevant operating frequencies, then retain the baseline result.

Retain the measured amplitude, motion direction and phase convention from the controlled check. Repeat the observation after restoring the normal cable route to distinguish a stable measurement from an intermittent connection.

Technical basis: Bently Nevada 9200 and 74712 Seismoprobe Velocity Transducers, 141626 Rev. V.

Related product navigation

- Bently Nevada 135031-01
- Bently Nevada 330130-080-03-00

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