

Installation Identity and Scope

Bently Nevada 330500-07-00 is a solid-state piezo-velocity sensor for absolute bearing-housing, casing or structural vibration. This ordering code supplies the 3/8-16 UNC mounting adaptor and no agency approval option.

INSTALLATION IDENTITY	REQUIRED VALUE
Complete model	330500-07-00
Manufacturer	Bently Nevada
Hardware type	Velomitor piezo-velocity sensor
System family	330500 Velomitor
Official source	Baker Hughes publication 141632 Rev. V

CONTROLLED ENGINEERING COPY

Mount 330500-07-00 rigidly on the documented machine surface and record its orientation, polarity and cable route. Verify power, bias and velocity response at the monitor before enabling protection functions.

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330500-07-00

Pre-Installation Plan

NO.	REQUIRED ACTION
1	Verify the complete 330500-07-00 marking before work.
2	Record the sensor axis, polarity and mounting location.
3	Prepare a rigid, clean mounting surface.
4	Use the 3/8-16 UNC adaptor and published mounting practice.
5	Keep the two-pin connector clean and strain relieved.

Matched Hardware

CONTROL ITEM	REQUIRED RECORD
Identity	330500-07-00
Physical interface	Compatible velocity-input monitor
Companion check	3/8-16 UNC mounting point
Configuration	Two-pin interconnect cable
Functional proof	Bias and velocity-response test record

RELEASE HOLD POINT

Do not disturb the installed device until the exact marking, connections, companion hardware and configured function are documented.

Wiring and Interface Checks

CHECK	MODEL-SPECIFIC REQUIREMENT
Identity	Record 330500-07-00 and point tag.
Adaptor	Verify 3/8-16 UNC thread and seating.
Orientation	Record sensor axis and polarity.
Cable	Inspect connector, shield and strain relief.
Power	Verify the monitor supply and sensor bias.
Noise	Check for ground-loop or integrated-noise effects.
Signal	Confirm controlled velocity response.
Release	Verify configured alarms and trip voting.

CONFIGURATION BOUNDARY

Mount 330500-07-00 rigidly on the documented machine surface and record its orientation, polarity and cable route. Verify power, bias and velocity response at the monitor before enabling protection functions.

Expected Technical Values

PARAMETER	VALUE
Measured quantity	Absolute vibration velocity
Mounting adaptor	3/8-16 UNC
Agency approval	Not required
Sensor technology	Piezoelectric with embedded solid-state electronics

Commissioning and Acceptance

TEST	ACCEPTANCE CONDITION
Identity	330500-07-00 recorded
Mounting	Adaptor and orientation accepted
Electrical	Power and bias accepted
Signal proof	Velocity response passed

Technical Questions to Resolve

QUESTION	ENGINEERING ANSWER
What vibration quantity is measured by 330500-07-00?	It measures absolute velocity of the bearing housing, casing or structure.
Which mounting adaptor is included with 330500-07-00?	Option 07 specifies a 3/8-16 UNC adaptor.
May the sensor be mounted horizontally for 330500-07-00?	Yes. The solid-state design permits vertical, horizontal or other-angle mounting.
Which connector is used by 330500-07-00?	It uses a two-pin MIL-C-5015 connector.

Source, Related Products and Release

MODEL	APTER POWER PAGE
Bently Nevada 21000-16-05-00-080-04-02	Open product page
Bently Nevada 21000-00-00-00-019-03-02	Open product page
Bently Nevada 21000-00-00-00-064-01-02	Open product page
Bently Nevada 21000-00-00-00-087-03-02	Open product page
Bently Nevada 21000-00-00-00-41-04-02	Open product page
Bently Nevada 21000-00-00-15-226-03-02	Open product page
Bently Nevada 21000-00-00-40-040-02-02	Open product page
Bently Nevada 21000-00-00-55-060-03-02	Open product page

MANUFACTURER SOURCE RECORD

330500 Velomitor Piezo-velocity Sensor Datasheet
Baker Hughes publication 141632 Rev. V

Controlled Release Summary

RELEASE ITEM	REQUIRED EVIDENCE
Identity	330500-07-00 recorded
Interface	Connections and companion hardware verified
Configuration	Installed values agree with approved record

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