

330500-07-00

Velomitor piezo-velocity sensor

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.

BRAND	Bently Nevada	ORIGIN	USA
MODEL	330500-07-00	HS CODE	8537101190
FAMILY	330500 Velomitor	SHIP FROM	Xiamen, Fujian, China

MANUFACTURER SOURCE RECORD

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

APTER POWER SALES TEAM

WHATSAPP / PHONE +86 180 3023 531

EMAIL sales13@apterpower.com

WEBSITE www.apterpower.com



330500-07-00

Product Overview

SYSTEM FUNCTION

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.

FUNCTION 1

Absolute velocity measurement

FUNCTION 2

No moving internal parts

FUNCTION 3

3/8-16 UNC mounting adaptor

FUNCTION 4

Any-angle mounting capability

TECHNICAL NOTE

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.

Technical Data and Acceptance

PARAMETER	VERIFIED VALUE
Measured quantity	Absolute vibration velocity
Mounting adaptor	3/8-16 UNC
Agency approval	Not required
Sensor technology	Piezoelectric with embedded solid-state electronics
Connector	Two-pin MIL-C-5015
Mounting orientation	Vertical, horizontal or other angle
Relative humidity	To 100% non-submerged
Case material	316L stainless steel

ENGINEERING 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.

Acceptance Path

1 IDENTITY

330500-07-00 recorded

2 MOUNTING

Adaptor and orientation accepted

3 ELECTRICAL

Power and bias accepted

4 SIGNAL PROOF

Velocity response passed

Applications and Engineering FAQ

APPLICATION	ENGINEERING CONTEXT
Bearing-housing vibration	Measures absolute casing velocity on rolling-element bearing machines.
Structural vibration	Monitors vibration on suitable rigid machine structures.
Reciprocating equipment monitoring	Feeds compatible velocity or reciprocating-velocity channels.
Legacy Velomitor replacement	Restores the exact mounting adaptor and channel polarity.

Model-Specific FAQ — Part 1

QUESTION	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.

FAQ, Related Products and Source

QUESTION	ANSWER
Does the final code request agency approval for 330500-07-00?	No. Option 00 means agency approval is not required.
Why must displacement derived from be reviewed carefully 330500-07-00?	Integration can amplify electrical and circuit noise and degrade displacement accuracy.
What mounting evidence should be retained for 330500-07-00?	Record surface preparation, adaptor, orientation, polarity and final torque practice.
What functional proof is required for 330500-07-00?	Verify bias, polarity, velocity response and configured monitor alarms.

MANUFACTURER SOURCE RECORD

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

Related Products on Apter Power

MODEL	APTER POWER PAGE
Bently Nevada 21000-00-00-60-028-02-02	Open product page
Bently Nevada 21000-11-05-00-085-03-02	Open product page
Bently Nevada 21000-15-10-00-166-03-02	Open product page
Bently Nevada 21000-16-05-00-027-04-02	Open product page
Bently Nevada 21000-16-05-00-033-04-02	Open product page
Bently Nevada 21000-16-05-00-050-04-02	Open product page
Bently Nevada 21000-16-05-00-075-00-02	Open product page
Bently Nevada 21000-16-05-00-090-04-02	Open product page
APTER POWER SALES TEAM WHATSAPP / PHONE +86 180 3023 5313 EMAIL sales13@apterpower.com WEBSITE www.apterpower.com	
	
330500-07-00	