

PRODUCT DASHBOARD

330500-04-00

Velomitor Piezo-velocity Sensor

Bently Nevada 330500-04-00 is a solid-state Velomitor piezo-velocity sensor supplied with a 1/4-20 UNC mounting-thread adaptor and no agency-approval option. It measures absolute bearing-housing, casing or structural vibration for machinery monitoring.

BRAND

Bently Nevada

ORIGIN

USA

HS CODE

8537101190

SHIPS FROM

Xiamen, Fujian, China

Complete public-page information view

Technical data dashboard

Velomitor Piezo-velocity Sensor

SENSOR TYPE Piezo-velocity accelerometer	SENSITIVITY 3.94 mV/mm/s (100 mV/in/s) +/-5%	FREQUENCY RESPONSE 4.5 Hz-5 kHz +/-3.0 dB
VELOCITY RANGE 1270 mm/s (50 in/s) peak	OUTPUT BIAS -12 +/-3.0 Vdc	DYNAMIC OUTPUT IMPEDANCE <2400 ohm
GROUNDING Case isolated	OPERATING TEMPERATURE -55 to 121 deg C	CONNECTOR 2-pin MIL-C-5015
MOUNTING ADAPTOR 1/4-20 UNC	AGENCY APPROVAL OPTION Not required	MAXIMUM CABLE LENGTH 305 m (1000 ft)

Application and support view

Four engineering use cases plus customer-oriented verification questions.

Bearing-housing vibration protection

Measures transmitted casing vibration where rotor motion reaches the bearing housing.

Machine-casing condition trending

Supplies a velocity signal for detecting changes associated with imbalance or misalignment.

Structural vibration assessment

Supports measurement on a rigid structural point selected for meaningful machine response.

Generator stator-frame monitoring

Can support documented Velomitor measurements on generator frame or core structures.

FAQ SNAPSHOT

What does the -04 mounting option specify on 330500-04-00?

1

What does the final -00 code indicate for 330500-04-00?

2

What physical quantity does 330500-04-00?

3

Can 330500-04-00?

4

Related-series navigator

Eight unique and verified Apter Power destinations for this dashboard.

01 3500/72M 176449-08 rod position monitor

02 3500/65 145988-02 temperature monitor

03 330500-00-02 Velomitor sensor

04 16925-30 seismic interconnect cable

05 330130-080-02-05 extension cable

06 330104-00-08-10-02-05 proximity probe

07 330930-065-01-05 NSv extension cable

08 330902-00-90-10-01-05 armored proximity probe

Related pages are navigation aids and are not used as manufacturer parameter sources.

Traceability and commissioning closeout

Confirm the complete 330500-04-00 code, 1/4-20 UNC adaptor, mounting surface, torque, 2-pin connector, case isolation, polarity, cable loading, monitor input and controlled vibration response before commissioning.

OFFICIAL MANUFACTURER SOURCE

330500 Velomitor Piezo-velocity Sensor Datasheet

141632 Rev. V

ENGINEERING RELEASE NOTE

Mount 330500-04-00 firmly on the bearing housing or machine casing using the supplied 1/4-20 UNC adaptor and the documented torque range. Confirm cable loading, case isolation and signal polarity before accepting the vibration channel.

APTER POWER SALES TEAM

WHATSAPP / PHONE

+86 180 3023 5313

EMAIL

sales13@apterpower.com

WEBSITE

www.apterpower.com



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