

BENTLY NEVADA TECHNICAL DOCUMENT

Product Data Sheet

330500-00-02

01

PRODUCT IDENTIFICATION

Manufacturer	Bently Nevada
Model	330500-00-02
Family	330500 and 330525 Piezo-Velocity Sensor
Product type	Velomitor Piezo-velocity Sensor

02

VERIFIED TECHNICAL DATA

Sensor family	330500 Velomitor
Mounting adapter option	00: No adapter
Agency approval option	02: ATEX
Sensitivity	100 mV/in/s $\pm 5\%$
Velocity range	50 in/s peak
Frequency response	4.5 Hz to 5 kHz ± 3 dB
Operating temperature	-55 to +121 °C
Output bias voltage	-12 ± 3 VDC

03

REMAINING TECHNICAL DATA

Connector	2-pin MIL-C-5015 receptacle
Grounding	Case isolated

04

TECHNICAL AND APPLICATION NOTES

330500-00-02 is a Velomitor piezo-velocity sensor supplied without a mounting-thread adapter and with ATEX approval. It measures machinery casing velocity with 100 mV/in/s sensitivity. Confirm the mounting interface, two-pin cable, monitor input and approval marking before installation.

05

APPLICATIONS

- Turbine casing vibration
- Compressor housing velocity
- Pump bearing monitoring
- Motor vibration measurement
- Machine condition monitoring

06

INSTALLATION CONTROL

Confirm model and ATEX marking. Verify bias voltage and velocity response before service.