

BENTLY NEVADA VELOMITOR SENSORS

Product Data Sheet

330525-00

Velomitor XA velocity sensor

FUNCTION Velomitor XA velocity sensor	FAMILY Bently Nevada Velomitor sensors	ORIGIN United States	WEIGHT 0.35 kg
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330500 and 330525 Piezo-Velocity Sensor 330525-00 is a Velomitor XA velocity sensor for the Bently Nevada Velomitor sensors. The values below are limited to the exact documented article.

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VERIFIED TECHNICAL DATA

Model Number	330525-00
Sensitivity	3.94 mV/mm/s $\pm 5\%$
English Sensitivity	100 mV/in/s $\pm 5\%$
Velocity Range	1270 mm/s peak
Amplitude Linearity	$\pm 2\%$ to 152 mm/s peak
Supply Voltage	-22 to -30 V DC
Bias Current	2.5–6.0 mA
Housing Material	316L stainless steel
Environmental Rating	IP65 / NEMA 4X with cable
Mounting Interface	Adapter-selected threaded mount

ADDITIONAL PRODUCT DATA

Signal Connector	Weatherproof two-pin interface
Frequency Use	Casing vibration measurement

OFFICIAL APPLICATIONS

- Measure rugged casing velocity: Use the Velomitor XA housing and weatherproof connection for extended-environment casing vibration measurements on reciprocating machinery.
- Monitor pumps, fans and compressors: Mount on a flat rigid surface, preserve the selected adapter and route the shielded sensor cable away from high-current conductors.
- Check bias and vibration response: Verify -22 to -30 V DC excitation, 2.5–6.0 mA bias current and 100 mV/in/s sensitivity at the monitoring channel.

SYSTEM COMPATIBILITY

Match 330525-00 to the installed Bently Nevada Velomitor sensors, complete wiring, mating hardware, revision and approved configuration. A similar article number does not establish direct interchangeability.

OFFICIAL SOURCES

[Bently Nevada manufacturer documentation](#)

Manufacturer official documentation

AMIKON PRODUCT SUPPORT

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