

330525 VELOMITOR XA SENSORS

Product Data Sheet

330525-01

Velomitor XA piezo-velocity sensor

FUNCTION Velomitor XA piezo-velocity sensor	FAMILY 330525 Velomitor XA sensors	ORIGIN USA	WEIGHT 0.156 kg
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330525 Series 330525-01 is a Velomitor XA piezo-velocity sensor for the 330525 Velomitor XA sensors. The values below are limited to the exact documented article.

01

VERIFIED TECHNICAL DATA

Agency Approval Option	01, CSA/NRTL/C
Sensitivity	3.94 mV/mm/s $\pm 5\%$
Frequency Response	4.5 Hz to 2 kHz ± 3.0 dB
Temperature Sensitivity	-14% to +7.5% typical
Velocity Range	1270 mm/s peak
Transverse Sensitivity	Less than 5%
Amplitude Linearity	$\pm 2\%$ to 152 mm/s peak
Mounted Resonant Frequency	Greater than 12 kHz
Broadband Noise Floor	0.004 mm/s rms nominal
Supply Voltage	-22 to -30 V DC

ADDITIONAL PRODUCT DATA

Bias Current	2.5 to 6.0 mA
Output Bias Voltage	-12 ±3.0 V DC
Dynamic Output Impedance	Less than 2400 Ω
Maximum Cable Length	305 m
Operating Temperature	-55°C to +121°C

OFFICIAL APPLICATIONS

- Generator bearing housing monitoring: Casing Velocity Systems
- Crusher and mill drive monitoring: Machine Velocity Systems
- Propulsion and deck machinery checks: Rugged Velocity Sensors

SYSTEM COMPATIBILITY

Match 330525-01 to the installed 330525 Velomitor XA sensors, complete wiring, mating hardware, revision and approved configuration. A similar article number does not establish direct interchangeability.

OFFICIAL SOURCES

[Bently Nevada official manufacturer documentation](#)

<https://dam.bakerhughes.com/m/18dd9b266c78b/original/330525-Velomitor-XA-Piezo-velocity-Datasheet-141633M1-pdf.pdf>

AMIKON PRODUCT SUPPORT

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