

330400 AND 330425 ACCELEROMETERS

Product Data Sheet

330400-01-00

acceleration transducer

FUNCTION acceleration transducer	FAMILY 330400 and 330425 accelerometers	ORIGIN USA	WEIGHT 0.099 kg
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330400 and 330425 Accelerometer 330400-01-00 is a acceleration transducer for the 330400 and 330425 accelerometers. The values below are limited to the exact documented article.

01

VERIFIED TECHNICAL DATA

Mounting Thread	01, 1/4-28 UNF stud
Agency Approval Option	00, none
Sensitivity	100 mV/g $\pm 5\%$
Acceleration Range	50 g peak
Amplitude Linearity	$\pm 1\%$ to 50 g peak
Broadband Noise Floor	0.004 g rms
Frequency Response	10 Hz to 15 kHz ± 3 dB
Temperature Sensitivity	-11% to +3% typical
Transverse Sensitivity	Less than 5% of axial
Mounted Resonant Frequency	Greater than 30 kHz

ADDITIONAL PRODUCT DATA

Resonant Peak Amplitude	20 dB maximum
Input Voltage	-24 $\pm$ 0.5 V DC
Bias Current	2 mA nominal
Output Bias Voltage	-8.5 $\pm$ 0.5 V DC
Maximum Cable Length	305 m

OFFICIAL APPLICATIONS

- Crusher gearbox mesh monitoring: Gearbox Acceleration Systems
- Kiln and raw-mill drive monitoring: Casing Acceleration Systems
- Paper-machine drive diagnostics: Machine Casing Sensors

SYSTEM COMPATIBILITY

Match 330400-01-00 to the installed 330400 and 330425 accelerometers, 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/19b6525be7684676/original/330400-and-330425-Accelerometer-Acceleration-Transducers-Datasheet-141638-pdf.pdf>

AMIKON PRODUCT SUPPORT

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