330400 AND 330425 ACCELEROMETERS

Product Data Sheet

330425-01-00

Case-mounted acceleration sensing transducer

MOUNTING THREAD	APPROVAL SELECTION	SENSITIVITY	ACCELERATION RANGE
1/4-28 UNF integral stud	**00: none**	**25 mV/g +/-5%**	**75 g peak**

Bently Nevada 330425-01-00 is a case-mounted acceleration transducer with a 25 mV/g output and a 75 g peak acceleration range. It serves measurement positions that require the higher amplitude capability of the 330425 rather than the 100 mV/g, 50 g 330400 configuration.

01 TECHNICAL DATA

Mounting thread	1/4-28 UNF integral stud
Approval selection	00: none
Sensitivity	25 mV/g +/-5%
Acceleration range	75 g peak
Amplitude linearity	+/-1% to 75 g peak
Broadband noise	0.01 g rms, 10 Hz-15 kHz
Wide frequency response	10 Hz-15 kHz, +/-3 dB
Flat frequency response	30 Hz-10 kHz, +/-10%
Transverse response	Below 5%
Mounted resonance	Above 30 kHz

02 ADDITIONAL PRODUCT DATA

Supply input	-24 +/-0.5 V DC
Bias current	2 mA nominal
Output bias	-8.5 +/-0.5 V DC
Case grounding	Isolated
Operating and storage temperature	-55 to +121 C

03 PRODUCT FUNCTION

The 01 option provides a 1/4-28 UNF integral mounting stud, while 00 requests no approvals. The hermetically sealed 316L stainless steel case has a three-pin MIL-C-5015 receptacle and isolated grounding. The transducer uses a -24 +/-0.5 V DC supply and has a nominal -8.5 V DC output bias.

04 SYSTEM COMPATIBILITY

Fit the 1/4-28 integral stud to the prepared casing mounting point using the specified 4.1 N m mounting torque. The source allows any mounting orientation, but the actual location must transmit the intended casing vibration to the sensor.

05 REFERENCE

Bently Nevada 330400 and 330425 Accelerometers Datasheet 141638 Rev. AB, applicable specification, ordering and dimensional sections.

AMIKON PRODUCT SUPPORT

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