

330425-01-00

25 mV/g acceleration transducer

Bently Nevada 330425-01-00 is a 25 mV/g piezoelectric acceleration transducer with a 1/4-28 UNF integral mounting stud and no agency approval option. It measures machine-casing acceleration for supported monitoring systems.

BRAND	Bently Nevada	ORIGIN	USA
MODEL	330425-01-00	HS CODE	8537101190
FAMILY	330400 and 330425 Accelerometers	SHIP FROM	Xiamen, Fujian, China

MANUFACTURER SOURCE RECORD

330400 and 330425 Accelerometer Acceleration Transducers Datasheet
Baker Hughes publication 141638 Rev. AB

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Product Overview

SYSTEM FUNCTION

Bently Nevada 330425-01-00 is a 25 mV/g piezoelectric acceleration transducer with a 1/4-28 UNF integral mounting stud and no agency approval option. It measures machine-casing acceleration for supported monitoring systems.

FUNCTION 1

25 mV/g acceleration sensitivity

FUNCTION 2

75 g peak measuring range

FUNCTION 3

1/4-28 integral mounting stud

FUNCTION 4

Case-isolated sensor construction

TECHNICAL NOTE

Install 330425-01-00 on a prepared bearing housing or casing and preserve its sensitive-axis orientation. Verify the -24 V DC supply, output bias and channel response after applying the documented mounting practice.

Technical Data and Acceptance

PARAMETER	VERIFIED VALUE
Sensitivity	25 mV/g ±5%
Acceleration range	75 g peak
Frequency response	10 Hz to 15 kHz ±3 dB
Amplitude linearity	±1% to 75 g peak
Input voltage	-24 ±0.5 V DC
Bias current	2 mA nominal
Output bias voltage	-8.5 ±0.5 V DC
Mounting thread	1/4-28 UNF integral stud
Agency approval	None
Maximum cable length	305 m without signal degradation

ENGINEERING BOUNDARY

Install 330425-01-00 on a prepared bearing housing or casing and preserve its sensitive-axis orientation. Verify the -24 V DC supply, output bias and channel response after applying the documented mounting practice.

Acceptance Path

1 IDENTITY

330425-01-00 recorded

2 MOUNTING

Stud and axis accepted

3 ELECTRICAL

Supply and bias accepted

4 SIGNAL PROOF

Acceleration response passed

Applications and Engineering FAQ

APPLICATION	ENGINEERING CONTEXT
High-range casing acceleration	Measures acceleration on bearing housings or machine structures.
Reciprocating machinery monitoring	Supports configured acceleration channels on compatible monitors.
Machine protection input	Supplies a proportional signal to documented Bently Nevada systems.
Sensor-point restoration	Replaces the exact stud and sensitivity configuration at an existing point.

Model-Specific FAQ — Part 1

QUESTION	ANSWER
What sensitivity is specified for 330425-01-00?	The nominal sensitivity is 25 mV/g ±5%.
What peak range is documented for 330425-01-00?	The range is 75 g peak.
Which mounting thread is ordered on 330425-01-00?	Option 01 is a 1/4-28 UNF integral stud.
What input voltage is required by 330425-01-00?	The specified input is -24 ±0.5 V DC.

FAQ, Related Products and Source

QUESTION	ANSWER
What output bias should be measured from 330425-01-00?	The specified bias is -8.5 ±0.5 V DC.
What frequency band is published for 330425-01-00?	The ±3 dB band is 10 Hz to 15 kHz.
Does this order code include hazardous-area approval for 330425-01-00?	No. The final 00 option specifies no agency approval.
What closes commissioning of 330425-01-00?	Record mounting, axis, supply, bias, polarity, noise and a controlled response test.

Related Products on Apter Power

MODEL	APTER POWER PAGE
Bently Nevada 200151-60-03-10	Open product page
Bently Nevada 200152-15-00	Open product page
Bently Nevada 200152-15-10	Open product page
Bently Nevada 200155-18-cn	Open product page
Bently Nevada 200151-40-03-00	Open product page
Bently Nevada 200151-xx-xx-xx-mod-323357-15-03-00	Open product page
Bently Nevada 200152-xx-xx-xx-mod-323357-10-03-10	Open product page
Bently Nevada 200155-00-cn	Open product page

MANUFACTURER SOURCE RECORD

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