

BENTLY NEVADA TECHNICAL DOCUMENT

Product Data Sheet

330425-01-05

01

PRODUCT IDENTIFICATION

Manufacturer	Bently Nevada
Model	330425-01-05
Family	330400 and 330425 Accelerometers
Product type	High-temperature Accelerometer

02

VERIFIED TECHNICAL DATA

Transducer model	330425 accelerometer
Mounting thread option	01: 1/4-28 UNF integral stud
Agency approval option	05: CSA, ATEX and IECEx approvals
Sensitivity	25 mV/g $\pm 5\%$
Acceleration range	75 g peak
Frequency response	10 Hz to 15 kHz ± 3 dB
Operating temperature	-55 to +121 °C
Power input	-24 ± 0.5 VDC

03

REMAINING TECHNICAL DATA

Connector	3-pin MIL-C-5015 receptacle
Typical sensor weight	100 g (3.5 oz)

04

TECHNICAL AND APPLICATION NOTES

330425-01-05 is a 330425 high-temperature acceleration transducer with a 1/4-28 UNF integral mounting stud and multiple CSA, ATEX and IECEx approvals. It provides 25 mV/g sensitivity for machinery acceleration measurement. Confirm the mounting thread, cable, power interface and approval marking before installation.

05

APPLICATIONS

- Gas turbine casing vibration
- Steam turbine casing vibration
- Compressor housing acceleration
- Pump and motor bearing vibration
- High-temperature machinery monitoring

06

INSTALLATION CONTROL

Confirm the complete model and approval markings. Verify bias voltage and signal response before service.