

Installation Identity and Scope

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.

INSTALLATION IDENTITY	REQUIRED VALUE
Complete model	330425-01-00
Manufacturer	Bently Nevada
Hardware type	25 mV/g acceleration transducer
System family	330400 and 330425 Accelerometers
Official source	Baker Hughes publication 141638 Rev. AB

CONTROLLED ENGINEERING COPY

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.

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330425-01-00

Pre-Installation Plan

NO.	REQUIRED ACTION
1	Verify the complete 330425-01-00 marking before work.
2	Record the sensing axis and machine-point tag.
3	Prepare a clean and flat mounting surface.
4	Tighten the integral stud using the published installation practice.
5	Verify the -24 V DC supply and 2 mA nominal bias current.

Matched Hardware

CONTROL ITEM	REQUIRED RECORD
Identity	330425-01-00
Physical interface	Compatible acceleration-input monitor
Companion check	Prepared 1/4-28 mounting point
Configuration	Documented interconnect cable
Functional proof	Bias and response acceptance record

RELEASE HOLD POINT

Do not disturb the installed device until the exact marking, connections, companion hardware and configured function are documented.

Wiring and Interface Checks

CHECK	MODEL-SPECIFIC REQUIREMENT
Identity	Record 330425-01-00 and point tag.
Mounting	Inspect the 1/4-28 surface and seating.
Axis	Record sensing orientation.
Power	Measure -24 V DC and bias current.
Bias	Confirm -8.5 V DC output bias.
Cable	Check connector, shield and routing.
Signal	Verify polarity and acceleration response.
Release	Confirm trend and alarm behavior.

CONFIGURATION 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.

Expected Technical Values

PARAMETER	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

Commissioning and Acceptance

TEST	ACCEPTANCE CONDITION
Identity	330425-01-00 recorded
Mounting	Stud and axis accepted
Electrical	Supply and bias accepted
Signal proof	Acceleration response passed

Technical Questions to Resolve

QUESTION	ENGINEERING 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.

Source, Related Products and Release

MODEL	APTER POWER PAGE
Bently Nevada 200150-06-cn	Open product page
Bently Nevada 200150-09-cn	Open product page
Bently Nevada 200150-14-05	Open product page
Bently Nevada 200150-09-05	Open product page
Bently Nevada 200150-14-cn	Open product page
Bently Nevada 200150-22-cn	Open product page
Bently Nevada 200151-20-03-00	Open product page
Bently Nevada 200151-60-03-00	Open product page

MANUFACTURER SOURCE RECORD

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

Controlled Release Summary

RELEASE ITEM	REQUIRED EVIDENCE
Identity	330425-01-00 recorded
Interface	Connections and companion hardware verified
Configuration	Installed values agree with approved record
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