

APTER POWER PRODUCT TECHNICAL REFERENCE

200350-12-00-CN

200350 General-Purpose Accelerometer

This is a 200350 general-purpose case-mounted accelerometer with the M8 x 1.25 adhesive-stud option and 100 mV/g sensitivity selection.

It produces an acceleration-proportional voltage for monitoring vibration on machine casings, bearing housings and other rotating-equipment structures.

Document field	Value
Manufacturer	Bently Nevada
Prepared by	Apter Power
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APTER POWER SALES TEAM

INDUSTRIAL AUTOMATION PRODUCT SUPPORT

Three interface paths, one controlled configuration.

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SCAN FOR PRODUCT & QUOTE

200350-12-00-CN

1. Product Overview and Identity

This is a 200350 general-purpose case-mounted accelerometer with the M8 x 1.25 adhesive-stud option and 100 mV/g sensitivity selection.

It produces an acceleration-proportional voltage for monitoring vibration on machine casings, bearing housings and other rotating-equipment structures.

Model Configuration

Field	Verified value
Complete model	200350-12-00-CN
Manufacturer	Bently Nevada
Product description	200350 General-Purpose Accelerometer

Key Features

- Exact product identifier: 200350-12-00-CN
- The sensor is fitted at the machine measurement point and connected to the compatible monitoring input through its specified signal connection and mounting method.
- It is suitable for machinery-condition monitoring duties on pumps, motors, fans, compressors and similar equipment.
- Allow the adhesive mounting system to cure according to the mounting procedure before relying on the measurement point.

2. Technical Specifications

Technical data for 200350-12-00-CN is organized below for engineering review and configuration control.

Parameter	Technical value
Sensitivity	100 mV/g +/-20%
Frequency range	0.5 to 10000 Hz
Operating temperature	-54 to +121 C
Ingress protection	IP68
Mounting stud	M8 x 1.25 adhesive

Configuration Control

Allow the adhesive mounting system to cure according to the mounting procedure before relying on the measurement point.

3. Functions, Applications and Components

Core Function

200350-12-00-CN converts machine-case acceleration along its sensitive axis into an electrical signal. The monitoring channel uses this signal to trend casing vibration and machine structural response.

Application Areas

Application	System role
Bearing housings	200350-12-00-CN measures casing acceleration at a rigid mounting point.
Pumps and motors	The sensor supports routine machine vibration trending.
Fans and compressors	Case response can be monitored across operating conditions.
Condition monitoring	The electrical output is routed to a compatible acceleration channel.

Compatible Components

- Specified mounting stud or adhesive interface
- Compatible accelerometer signal cable
- Acceleration or acceleration-to-velocity monitor input
- Clean, flat machine measurement surface

4. Installation Precautions

- Select a rigid measurement surface for 200350-12-00-CN.
- Prepare the surface for the supplied mounting option.
- Orient the sensitive axis toward the vibration direction of interest.
- Route and secure the signal cable to avoid connector loading.

Engineering FAQ - Questions 1 to 4

What engineering function does 200350-12-00-CN perform in its monitoring loop?

200350-12-00-CN converts machine-case acceleration along its sensitive axis into an electrical signal. The monitoring channel uses this signal to trend casing vibration and machine structural response.

Which sensitivity applies to 200350-12-00-CN?

The configured sensitivity for 200350-12-00-CN is 100 mV/g +/-20%.

What frequency range must be checked when specifying 200350-12-00-CN?

Use 0.5 to 10000 Hz for the frequency range when reviewing this complete model.

How does the operating temperature selection affect 200350-12-00-CN?

This configuration identifies operating temperature as -54 to +121 C; include that value in the installation record.

Manufacturer Technical Source

200350 and 200355 Accelerometers Datasheet 164804