APTER POWER

INDUSTRIAL AUTOMATION PRODUCT

200350-00-00-00

General-purpose 100 mV/g accelerometer

Bently Nevada 200350-00-00-00 is a hermetically sealed, case-mounted 200350 piezoelectric accelerometer for Trendmaster Pro direct-input applications. It uses a top-mounted two-pin MIL-C-5015 connection and the order code specifies the standard mounting stud, sensitivity tolerance and no approvals.

IDENTITY	VERIFIED VALUE
Manufacturer	Bently Nevada
Complete model	200350-00-00-00
Product role	General-purpose 100 mV/g accelerometer
System family	Trendmaster Pro
Country of origin	USA

DOCUMENT SCOPE

Exact identity, manufacturer-supported technical data, installation checks, applications, precautions and controlled verification records.

APTER POWER SALES TEAM

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Technical Specifications

PARAMETER	VERIFIED VALUE
Sensor type	General-purpose 100 mV/g accelerometer
Sensitivity	100 mV/g ±20%
Mounting stud	1/4-28 stainless-steel stud with brass tip
Approvals	None
Measurement range	±50 g
Output bias voltage	8-12 V DC
Excitation voltage	18-28 V DC
Constant-current excitation	2-20 mA
Amplitude linearity	±1%
Connector	Two-pin MIL-C-5015

Model-Specific Engineering Note

ENGINEERING BOUNDARY

Mount 200350-00-00-00 on a prepared machine surface with the documented 1/4-28 stud and torque. The splash-proof cable is not recommended for this model. Record orientation, cable route and bias voltage, then prove response at the receiving constant-current input.

Pre-Installation Checks

NO.	REQUIRED CHECK
1	Verify the complete 200350-00-00-00 marking before work.
2	Record the measurement point, sensitive-axis orientation and cable route.
3	Prepare a flat, clean mounting surface and use the specified stud.
4	Apply the published mounting torque without twisting the sensor cable.
5	Use the required constant-current excitation and verify bias voltage.

System Role and Architecture

Bently Nevada 200350-00-00-00 is a hermetically sealed, case-mounted 200350 piezoelectric accelerometer for Trendmaster Pro direct-input applications. It uses a top-mounted two-pin MIL-C-5015 connection and the order code specifies the standard mounting stud, sensitivity tolerance and no approvals.

FUNCTION 1

General-purpose 100 mV/g accelerometer

FUNCTION 2

100 mV/g ±20%

FUNCTION 3

Welded hermetic stainless-steel sensing package

FUNCTION 4

Direct connection to supported Trendmaster Pro input cards

Common Applications

APPLICATION	ENGINEERING CONTEXT
Machine-casing acceleration	Measures vibration transmitted to a bearing housing or casing.
Trendmaster Pro direct input	Connects to the supported constant-current or seismic direct input card.
Bearing-condition trending	Supplies a proportional acceleration signal for documented trend and alarm duties.
Controlled sensor replacement	Restores the exact mounting and sensitivity option at an existing point.

CONTROLLED ACCEPTANCE DUTY

Confirm identity, physical interface, companion hardware, configured values and functional response against the installed-system record before release.

Engineering Precautions

NO.	PRECAUTION
1	Verify the complete 200350-00-00-00 marking before work.
2	Record the measurement point, sensitive-axis orientation and cable route.
3	Prepare a flat, clean mounting surface and use the specified stud.
4	Apply the published mounting torque without twisting the sensor cable.
5	Use the required constant-current excitation and verify bias voltage.
6	Keep the two-pin connector clean, dry and fully identified.
7	The splash-proof cable is not recommended for this model.
8	Prove channel polarity, noise floor and measured response before release.

Model-Specific FAQ — Part 1

QUESTION	ANSWER
What sensitivity option is ordered for 200350-00-00-00?	100 mV/g ±20%.
Which mounting stud is supplied with 200350-00-00-00?	1/4-28 stainless-steel stud with brass tip.
What excitation voltage is required by 200350-00-00-00?	The published range is 18-28 V DC.
What bias voltage should be observed from 200350-00-00-00?	The documented output bias is 8-12 V DC.

Model-Specific FAQ — Part 2

QUESTION	ANSWER
Which connector is fitted to 200350-00-00-00?	It uses a top-mounted two-pin MIL-C-5015 connector.
What measurement range is documented for 200350-00-00-00?	The published range is ±50 g.
Which Trendmaster Pro interface accepts 200350-00-00-00?	Use the supported Constant Current Direct Input Card or Seismic Direct Input Card identified in the manufacturer datasheet.
What proves the installation of 200350-00-00-00?	Record mounting torque, bias voltage, polarity, noise and a controlled response test.

Related Products on Apter Power

MODEL	APTER POWER PAGE
Bently Nevada 146054-12-05-01-05	Open product page
Bently Nevada 146054-32-05-01-05	Open product page
Bently Nevada 146054-34-20-02-05	Open product page
Bently Nevada 146054-36-05-01-05	Open product page
Bently Nevada 146055-10-02-00	Open product page
Bently Nevada 146056-15-10-02-02-05	Open product page
Bently Nevada 146056-38-10-02-02-05	Open product page
Bently Nevada 147663-01	Open product page

MANUFACTURER SOURCE RECORD

200350 and 200355 Accelerometers Datasheet
Baker Hughes publication 164804 Rev. T

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