

200350-02-00-01

Industrial Accelerometer

Bently Nevada 200350-02-00-01 is a rugged, hermetically sealed industrial accelerometer with an M8 x 1.25 stainless-steel mounting stud. It has 100 mV/g nominal sensitivity with +/-20% tolerance and CSA, ATEX and IECEx approvals.

BRAND	Bently Nevada	ORIGIN	USA
MODEL	200350-02-00-01	FAMILY	200350 and 200355 Accelerometers

MANUFACTURER SOURCE RECORD

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

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200350-02-00-01

Product Overview

SYSTEM FUNCTION

Bently Nevada 200350-02-00-01 is a rugged, hermetically sealed industrial accelerometer with an M8 x 1.25 stainless-steel mounting stud. It has 100 mV/g nominal sensitivity with +/-20% tolerance and CSA, ATEX and IECEx approvals.

100 MV/G ACCELERATION OUTPUT

Verified model-specific feature or controlled record item.

M8 X 1.25 MOUNTING ADAPTATION

Verified model-specific feature or controlled record item.

HERMETICALLY SEALED STAINLESS-STEEL HOUSING

Verified model-specific feature or controlled record item.

CSA, ATEX AND IECEx APPROVAL OPTION

Verified model-specific feature or controlled record item.

TECHNICAL NOTE

Prepare a flat, clean mounting surface and torque the M8 x 1.25 stud according to the manufacturer installation instructions. Verify connector orientation, cable restraint and channel polarity before functional acceptance.

Technical Data and Acceptance

Acceptance Path

PARAMETER	VERIFIED VALUE
Mounting stud	1/4-28 to M8 x 1.25 stainless steel
Sensitivity	100 mV/g (10.2 mV/m/s^2)
Tolerance	+/-20%
Approvals	CSA, ATEX, IECEx
Connector	Top-mounted 2-pin MIL-C-5015
Housing	Hermetically sealed stainless steel

1 IDENTITY

Record 200350-02-00-01.

2 INTERFACE

Document mounting and connections.

3 CONFIGURATION

Confirm system and channel.

4 PROOF

Complete functional acceptance.

ENGINEERING BOUNDARY

Use the exact ordering-code values shown here together with the physical marking and installed-system record. Confirm mounting, connections and the configured channel before release.

Applications and Precautions

GENERAL MACHINERY VIBRATION

Measures casing acceleration on motors, pumps and rotating equipment.

PERMANENT MONITORING POINTS

Supports fixed channels with a restrained interconnecting cable.

HARSH INDUSTRIAL LOCATIONS

Uses a sealed stainless-steel enclosure for demanding machinery environments.

TRENDMASTER-COMPATIBLE SENSING

Interfaces with documented Bently Nevada constant-current input hardware.

Controlled Checks

NO.	CHECK
1	Verify 200350-02-00-01 from the physical marking and approval label.
2	Use the M8 x 1.25 stainless-steel mounting stud on a prepared mounting surface.
3	Keep the sensor base flat and free of contamination before tightening.
4	Support the cable so connector and sensor are not subjected to pull or repeated flexing.
5	Confirm constant-current input compatibility, channel polarity and sensitivity configuration.
6	Complete a controlled vibration-channel response and alarm-path check before release.

FAQ, Related Products and Source

QUESTION	ANSWER
What product does 200350-02-00-01 identify?	Bently Nevada 200350-02-00-01 is a rugged, hermetically sealed industrial accelerometer with an M8 x 1.25 stainless-steel mounting stud. It has 100 mV/g nominal sensitivity with +/-20% tolerance and CSA, ATEX and IECEx approvals.
Which mounting stud applies to 200350-02-00-01?	The exact ordering record specifies 1/4-28 to M8 x 1.25 stainless steel.
How is the sensitivity defined for 200350-02-00-01?	The manufacturer ordering data gives 100 mV/g (10.2 mV/m/s^2).
Which Bently Nevada publication covers 200350-02-00-01?	Baker Hughes / Bently Nevada publication 164804 Rev. T.
What installation detail should be checked first for 200350-02-00-01?	Use the M8 x 1.25 stainless-steel mounting stud on a prepared mounting surface.
How should connections or routing be controlled for 200350-02-00-01?	Support the cable so connector and sensor are not subjected to pull or repeated flexing.
What acceptance evidence is required for 200350-02-00-01?	Complete a controlled vibration-channel response and alarm-path check before release.
What country of origin is listed for 200350-02-00-01?	The current publishing instruction specifies USA.

Related Bently Nevada Products

MODEL	RELATION	APTER POWER PAGE
330101-30-60-10-02-05	Bently Nevada machinery-monitoring component	View 330101-30-60-10-02-05
330101-00-60-10-02-00	Bently Nevada machinery-monitoring component	View 330101-00-60-10-02-00
330101-00-26-05-01-05	Bently Nevada machinery-monitoring component	View 330101-00-26-05-01-05
330101-00-49-90-12-05	Bently Nevada machinery-monitoring component	View 330101-00-49-90-12-05
330101-30-63-15-02-CN	Bently Nevada machinery-monitoring component	View 330101-30-63-15-02-CN
330101-00-18-10-02-00	Bently Nevada machinery-monitoring component	View 330101-00-18-10-02-00
330102-00-40-10-01-05	Bently Nevada machinery-monitoring component	View 330102-00-40-10-01-05
330102-00-40-05-01-00	Bently Nevada machinery-monitoring component	View 330102-00-40-05-01-00

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