

200355-00-00-00

Low-frequency 100 mV/g accelerometer

Bently Nevada 200355-00-00-00 is a hermetically sealed, case-mounted 200355 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.

BRAND	Bently Nevada	ORIGIN	USA
MODEL	200355-00-00-00	HS CODE	8537101190
FAMILY	Trendmaster Pro	SHIP FROM	Xiamen, Fujian, China

MANUFACTURER SOURCE RECORD

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

APTER POWER SALES TEAM

WHATSAPP / PHONE +86 180 3023 531

EMAIL sales13@apterpower.com

WEBSITE www.apterpower.com



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Product Overview

SYSTEM FUNCTION

Bently Nevada 200355-00-00-00 is a hermetically sealed, case-mounted 200355 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

Low-frequency 100 mV/g accelerometer

FUNCTION 2

100 mV/g $\pm 5\%$

FUNCTION 3

Welded hermetic stainless-steel sensing package

FUNCTION 4

Direct connection to supported Trendmaster Pro input cards

TECHNICAL NOTE

Mount 200355-00-00-00 on a prepared machine surface with the documented 1/4-28 stud and torque. Use it where the documented low-frequency response is required. Record orientation, cable route and bias voltage, then prove response at the receiving constant-current input.

Technical Data and Acceptance

PARAMETER	VERIFIED VALUE
Sensor type	Low-frequency 100 mV/g accelerometer
Sensitivity	100 mV/g $\pm 5\%$
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	$\pm 1\%$
Connector	Two-pin MIL-C-5015

ENGINEERING BOUNDARY

Mount 200355-00-00-00 on a prepared machine surface with the documented 1/4-28 stud and torque. Use it where the documented low-frequency response is required. Record orientation, cable route and bias voltage, then prove response at the receiving constant-current input.

Acceptance Path

1 IDENTITY

200355-00-00-00 recorded

2 MOUNTING

Stud and orientation accepted

3 ELECTRICAL

Excitation and bias accepted

4 SIGNAL PROOF

Noise and vibration response passed

Applications and Engineering FAQ

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.

Model-Specific FAQ — Part 1

QUESTION	ANSWER
What sensitivity option is ordered for 200355-00-00-00?	100 mV/g ±5%.
Which mounting stud is supplied with 200355-00-00-00?	1/4-28 stainless-steel stud with brass tip.
What excitation voltage is required by 200355-00-00-00?	The published range is 18-28 V DC.
What bias voltage should be observed from 200355-00-00-00?	The documented output bias is 8-12 V DC.

FAQ, Related Products and Source

QUESTION	ANSWER
Which connector is fitted to 200355-00-00-00?	It uses a top-mounted two-pin MIL-C-5015 connector.
What measurement range is documented for 200355-00-00-00?	The published range is ±50 g.
Which Trendmaster Pro interface accepts 200355-00-00-00?	Use the supported Constant Current Direct Input Card or Seismic Direct Input Card identified in the manufacturer datasheet.
What proves the installation of 200355-00-00-00?	Record mounting torque, bias voltage, polarity, noise and a controlled response test.

Related Products on Apter Power

MODEL	APTER POWER PAGE
Bently Nevada 1900-27-03	Open product page
Bently Nevada 1900-55	Open product page
Bently Nevada 1900-65a	Open product page
Bently Nevada 1900-65a-167699-02	Open product page
Bently Nevada 1900-65a-167699-02-034712	Open product page
Bently Nevada 190501-00-00-cn	Open product page
Bently Nevada 190501-10-00-00	Open product page
Bently Nevada 128608-02	Open product page

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