

Installation Identity and Scope

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.

INSTALLATION IDENTITY	REQUIRED VALUE
Complete model	200350-00-00-00
Manufacturer	Bently Nevada
Hardware type	General-purpose 100 mV/g accelerometer
System family	Trendmaster Pro
Official source	Baker Hughes publication 164804 Rev. T

CONTROLLED ENGINEERING COPY

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.

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200350-00-00-00

Pre-Installation Plan

NO.	REQUIRED ACTION
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.

Matched Hardware

CONTROL ITEM	REQUIRED RECORD
Identity	200350-00-00-00
Physical interface	Supported Trendmaster Pro direct-input card
Companion check	Documented 1/4-28 mounting stud
Configuration	Two-pin sensor cable
Functional proof	Bias-voltage and vibration 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 200350-00-00-00 and sensing-point tag.
Mounting	Inspect surface preparation and stud thread.
Orientation	Record the sensitive-axis direction.
Cable	Inspect connector, shield and strain relief.
Excitation	Verify 18-28 V DC constant-current supply.
Bias	Confirm 8-12 V DC output bias.
Signal	Check polarity, noise and frequency response.
Release	Verify the channel trend and alarms.

CONFIGURATION 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.

Expected Technical Values

PARAMETER	VALUE
Sensor type	General-purpose 100 mV/g accelerometer
Sensitivity	100 mV/g $\pm$ 20%
Mounting stud	1/4-28 stainless-steel stud with brass tip
Approvals	None

Commissioning and Acceptance

TEST	ACCEPTANCE CONDITION
Identity	200350-00-00-00 recorded
Mounting	Stud and orientation accepted
Electrical	Excitation and bias accepted
Signal proof	Noise and vibration response passed

Technical Questions to Resolve

QUESTION	ENGINEERING 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.

Source, Related Products and Release

MODEL	APTER POWER PAGE
Bently Nevada 149844-01	Open product page
Bently Nevada 149992-02	Open product page
Bently Nevada 162381-064-028-50-05	Open product page
Bently Nevada 162381-078-027-50-05	Open product page
Bently Nevada 162381-138-040-90-05	Open product page
Bently Nevada 16710-10	Open product page
Bently Nevada 16710-14	Open product page
Bently Nevada 16710-16	Open product page

MANUFACTURER SOURCE RECORD

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

Controlled Release Summary

RELEASE ITEM	REQUIRED EVIDENCE
Identity	200350-00-00-00 recorded
Interface	Connections and companion hardware verified
Configuration	Installed values agree with approved record
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