

INDUSTRIAL AUTOMATION PRODUCT

3500/50 133388-02

3500/50 Tachometer Module

Bently Nevada 3500/50 133388-02 is a two-channel 3500 tachometer module. It measures rotational speed from compatible proximity-probe or magnetic-pickup inputs.

IDENTITY	VERIFIED VALUE
Manufacturer	Bently Nevada
System family	3500 machinery protection system
Part number	3500/50 133388-02
Country	USA
HS code	8537101190

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Technical Specifications

Technical values below are limited to the named Bently Nevada product record.

PARAMETER	TECHNICAL VALUE
Module function	Tachometer / overspeed measurement
Input channels	2
Input source	Proximity probe or magnetic pickup

ENGINEERING DATA SUMMARY

DATA GROUP	VERIFIED ASSIGNMENT
Installed host / carrier	3500 rack
Companion hardware	compatible I/O module
Field connection	proximity probe or magnetic pickup
Primary system function	Measures shaft rotational speed from pulse or keyphasor signals
Controlled acceptance duty	Turbine shaft-speed monitoring

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System Role and Architecture

Bently Nevada 3500/50 133388-02 is a two-channel 3500 tachometer module. It measures rotational speed from compatible proximity-probe or magnetic-pickup inputs.

FUNCTION 1

Measures shaft rotational speed from pulse or keyphasor signals

FUNCTION 2

Provides speed values and alarm comparison in the 3500 rack

FUNCTION 3

Supports independent channel configuration

FUNCTION 4

Communicates module status and measured values to the rack interface

Matched system components

- 3500 rack
- compatible I/O module
- proximity probe or magnetic pickup
- speed reference target

SYSTEM INTEGRATION RECORD

INTEGRATION ITEM	DOCUMENTED ROLE
Installed host / carrier	3500 rack
Companion hardware	compatible I/O module
Field connection	proximity probe or magnetic pickup
Primary system function	Measures shaft rotational speed from pulse or keyphasor signals
Controlled acceptance duty	Turbine shaft-speed monitoring

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Applications and Engineering Context

Turbine shaft-speed monitoring

Measures shaft rotational speed from pulse or keyphasor signals

Compressor speed indication

Provides speed values and alarm comparison in the 3500 rack

Machine startup and shutdown speed tracking

Supports independent channel configuration

Rotating-equipment overspeed supervision

Communicates module status and measured values to the rack interface

TECHNICAL NOTE

Record channel input type, pulses per revolution, scale, setpoints, and voting before replacement, then verify indicated speed against a controlled reference throughout the required operating range.

MODEL-SPECIFIC ACCEPTANCE EVIDENCE

CHECK	ACCEPTANCE CONDITION
Identity	3500/50 133388-02 / 3500/50 133388-02 recorded
Physical interface	3500 rack
Companion check	compatible I/O module
Functional proof	Measures shaft rotational speed from pulse or keyphasor signals
Application test	Turbine shaft-speed monitoring

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Engineering Precautions

- 1
- Verify 3500/50 133388-02 and its I/O module before removal.
- 2
- Place overspeed and machine-start logic in approved maintenance state.
- 3
- Record sensor type, polarity, pulses per revolution, and scale.
- 4
- Preserve shield and input wiring identity.
- 5
- Use ESD controls and inspect backplane connectors.

RELATED PRODUCTS ON APTER POWER

MODEL	SYSTEM ROLE	APTER POWER PAGE
330171-00-12-05-01-05	3300 XL proximity probe	Open product page
200150-09-CN	General-purpose accelerometer	Open product page

MANUFACTURER SOURCE RECORD

3500/50M Tachometer Module Datasheet
141538

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