

BENTLY NEVADA 3500/42M MONITORING SYSTEM

Product Data Sheet

3500/42M 176449-02

Proximitors seismic monitor module

FUNCTION	FAMILY	ORIGIN	WEIGHT
Proximitors seismic monitor module	Bently Nevada 3500/42M monitoring sys	United States	0.91 kg

3500 System 3500/42M 176449-02 is a Proximitors seismic monitor module for the Bently Nevada 3500/42M monitoring system. The values below are limited to the exact documented article.

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VERIFIED TECHNICAL DATA

Spare Part Number	176449-02 monitor assembly
Accepted Signals	Proximity, velocity or acceleration
Input Channel Capacity	One to four transducer signals
Typical Power Consumption	7.7 W during operation
Standard Input Impedance	10 k Ω per applicable input
Radial Vibration Sensitivity	3.94 or 7.87 mV/ μ m
Acceleration Sensitivity	10 mV per m/s ²
Buffered Output Impedance	550 Ω short-circuit protected
Transducer Power Supply	-24 V DC sensor excitation
Recorder Output	4–20 mA per channel

ADDITIONAL PRODUCT DATA

Operating Temperature	-30°C to +65°C
Storage Temperature	-40°C to +85°C
Humidity Limit	95% noncondensing environment
Rack Space Requirement	One full-height front slot
Monitor Dimensions	24.13 × 2.44 × 24.18 cm

OFFICIAL APPLICATIONS

- Monitor the|shaft radial vibration: Process up to four proximity-transducer signals for radial vibration protection with the configured sensitivity, alert levels and danger setpoints.
- Measure the|axial thrust position: Use compatible Proximitor inputs to monitor thrust position, eccentricity or differential expansion while retaining the correct target and scale configuration.
- Combine the|velocity and acceleration channels: Accept supported velocity or acceleration transducers for casing vibration and integrate the 4–20 mA recorder outputs with the documented plant monitoring system.

SYSTEM COMPATIBILITY

Match 3500/42M 176449-02 to the installed Bently Nevada 3500/42M monitoring system, complete wiring, mating hardware, revision and approved configuration. A similar article number does not establish direct interchangeability.

OFFICIAL SOURCES

Bently Nevada 3500/42M Proximitor Seismic Monitor Datasheet 143694 Rev AE

<https://dam.bakerhughes.com/m/20b1fd1cd261c09f/original/3500-42M-Proximitor-Seismic-Monitor-Datasheet-143694-pdf.pdf>

AMIKON PRODUCT SUPPORT

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