3500 MACHINERY PROTECTION SYSTEM

Product Data Sheet

3500/42M 176449-02

Proximitor seismic monitor module

FUNCTION	FAMILY	ORIGIN	WEIGHT
Proximitor seismic monitor module	**3500 machinery protection system**	**United States**	**0.91 kg**

3500 System 3500/42M 176449-02 is a Proximitor seismic monitor module for the 3500 machinery protection system. The values below are limited to the exact documented article.

01 VERIFIED TECHNICAL DATA

Accepted Signals	Proximity, velocity or acceleration
Input Channels	1 to 4
Typical Power	7.7 W
Input Impedance	10 kΩ standard I/O
Radial Sensitivity	3.94 or 7.87 mV/µm
Acceleration Sensitivity	10 mV per m/s²
Buffered Output	550 Ω short-circuit protected
Sensor Supply	-24 V DC
Recorder Output	4 to 20 mA per channel
Recorder Load	0 to 600 Ω

Technical values are limited to the exact manufacturer record and applicable official manual.

02 ADDITIONAL PRODUCT DATA

Recorder Update	100 ms or less
Operating Temperature	-30 to +65 °C
Storage Temperature	-40 to +85 °C
Humidity	95% noncondensing
Alarm Accuracy	Within 0.13% of setpoint

03 OFFICIAL APPLICATIONS

- Steam turbine bearing protection panels: Turbine Monitoring Systems
- Compressor and pipeline pump trains: Machinery Protection Systems
- Grinding mill and blower drive trains: Heavy Asset Monitoring

04 SYSTEM COMPATIBILITY

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

05 OFFICIAL SOURCES

Bently Nevada official manufacturer documentation

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

AMIKON PRODUCT SUPPORT

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