3500 MACHINERY PROTECTION SYSTEMS

Product Data Sheet

3500/70M 176449-09

reciprocating compressor vibration monitor

FUNCTION	FAMILY	ORIGIN	WEIGHT
reciprocating compressor vibration mor	3500 machinery protection systems	United States	0.85 kg

3500 System 3500/70M 176449-09 is a reciprocating compressor vibration monitor for the 3500 machinery protection systems. The values below are limited to the exact documented article.

01 VERIFIED TECHNICAL DATA

Monitoring Channels	Four
Input Signal	Proximity or seismic transducer
Acceleration Input Impedance	10 kohm
Velocity Input Impedance	Greater than 1 Mohm
Power Consumption	7.7 W nominal
Recorder Output	4 to 20 mA per channel
Recorder Load	600 ohm maximum
Recorder Update	Less than 100 ms
Buffered Output Impedance	550 ohm
Channel Programming	Pairs 1-2 and 3-4

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

02 ADDITIONAL PRODUCT DATA

Alarm Setpoint Accuracy	Within 0.13%
Rack Allocation	One full-height front slot

03 OFFICIAL APPLICATIONS

- Plant air compressors and high-pressure blower trains: Compressor frame vibration monitoring; Blower pressure pulsation supervision
- Refrigeration compressors and utility air systems: Refrigeration cylinder pressure monitoring; Air-compressor vibration alarming
- Reciprocating compressors and gas processing skids: Crosshead vibration channel monitoring; Cylinder pressure trend supervision

04 SYSTEM COMPATIBILITY

Match 3500/70M 176449-09 to the installed 3500 machinery protection systems, 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/3c4fa965c23b6047/original/3500-70M-Recip-Impulse-Velocity-Monitor-Datasheet-166766-pdf.pdf

AMIKON PRODUCT SUPPORT

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