

3500 MACHINERY PROTECTION SYSTEMS

Product Data Sheet

3500/77M 176449-07

reciprocating cylinder pressure monitor

FUNCTION	FAMILY	ORIGIN	WEIGHT
reciprocating cylinder pressure monitor	3500 machinery protection systems	United States	0.85 kg

3500 System 3500/77M 176449-07 is a reciprocating cylinder pressure monitor for the 3500 machinery protection systems. The values below are limited to the exact documented article.

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VERIFIED TECHNICAL DATA

Input Channels	Four
Input Signal	Cylinder pressure transducers
Measured Variables	Peak compression and tension
Rod Reversal Output	Degree of rod reversal
Recorder Output	4 to 20 mA
Recorder Load	600 ohm maximum
Recorder Update	100 ms or less
Buffered Outputs	One coaxial output per channel
Channel Configuration	Rack configuration software
Alarm Functions	Alert and Danger levels

ADDITIONAL PRODUCT DATA

Rack Allocation	One full-height front slot
Companion I/O	Cylinder pressure I/O module

OFFICIAL APPLICATIONS

- Reciprocating compressors and gas processing skids: Crosshead vibration channel monitoring; Cylinder pressure trend supervision
- Turbine auxiliaries and fuel-gas compressor trains: Auxiliary compressor vibration alarming; Dynamic pressure channel recording
- Process compressor cylinders and pulsation vessels: Cylinder pressure balance monitoring; Pulsation signal alarm processing

SYSTEM COMPATIBILITY

Match 3500/77M 176449-07 to the installed 3500 machinery protection systems, complete wiring, mating hardware, revision and approved configuration. A similar article number does not establish direct interchangeability.

OFFICIAL SOURCES

[Bently Nevada official manufacturer documentation](#)

<https://dam.bakerhughes.com/m/680bd64090d064f4/original/3500-77M-Recip-Cylinder-Pressure-Monitor-Datasheet-147485-pdf.pdf>

AMIKON PRODUCT SUPPORT

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