

3500 MACHINERY PROTECTION SYSTEM

Product Data Sheet

3500/64M 176449-05

dynamic pressure monitor

FUNCTION dynamic pressure monitor	FAMILY 3500 machinery protection system	ORIGIN United States	WEIGHT 0.82 kg
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3500 System 3500/64M 176449-05 is a dynamic pressure monitor for the 3500 machinery protection system. The values below are limited to the exact documented article.

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VERIFIED TECHNICAL DATA

Input Channels	4
Transducer Inputs	Two-wire or three-wire pressure
Three-wire Impedance	10 kΩ
Two-wire Impedance	1.5 to 3.5 MΩ typical
Pressure Sensitivity	100 mV/psi
Recorder Output	4 to 20 mA per channel
Recorder Load	0 to 600 Ω
Recorder Update	100 ms or less
Low Filter Range	5 Hz to 4 kHz
High Filter Range	10 Hz to 14.75 kHz

ADDITIONAL PRODUCT DATA

Buffered Output	550 Ω
Channel Pairing	Channels 1–2 and 3–4
Alarm Accuracy	Within 0.13% of setpoint
Three-wire Supply	-24 V DC
Two-wire Supply	3.3 mA at 22 V DC

OFFICIAL APPLICATIONS

- Gas turbine combustion monitoring panels: Combustion Pressure Systems
- Reciprocating compressor process skids: Compressor Protection Systems
- Reactor vapor and gas compression units: Process Pressure Systems

SYSTEM COMPATIBILITY

Match 3500/64M 176449-05 to the installed 3500 machinery protection system, 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/12be0c890fcc3b45/original/3500-64M-Dynamic-Pressure-Monitor-Datasheet-141536-pdf.pdf>

AMIKON PRODUCT SUPPORT

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