

APTER POWER

3500/44M 176449-03

GT Vibration Monitor

It is the 176449-03 four-channel 3500/44M Aero derivative GT Vibration Monitor for gas-turbine machinery measurements.

COMPLETE PRODUCT SNAPSHOT

MANUFACTURER	Bently Nevada
FAMILY	3500 gt vibration monitor hardware
MODEL	3500/44M 176449-03
DOCUMENT	143441 Rev. V

RELATED PRODUCTS ON APTER POWER

01	Bently Nevada 330101-00-16-10-11-05	OPEN
02	Bently Nevada 330103-00-22-50-12-05	OPEN
03	Bently Nevada 330103-00-25-05-02-BR	OPEN
04	Bently Nevada 330103-00-16-50-12-05	OPEN
05	Bently Nevada 330103-00-13-50-12-05	OPEN
06	Bently Nevada 330180-12-05	OPEN

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EMAIL sales13@apterpower.com

WEBSITE www.apterpower.com



3500/44M 176449-03

Exact-model technical record

Complete model	3500/44M 176449-03
Manufacturer	Bently Nevada
Product family	3500 gt vibration monitor hardware
Assembly	176449-03
Input channels	4

Supported sensors	Velomitor sensors and accelerometers via compatible I/O modules
Signal processing	Integration, 1X tracking and band-pass filtering
Keyphasor inputs	Two supported
Multimode	Up to eight alarm parameter sets
Rack position	One full-height front slot with assigned rear I/O slot

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System role and applications

Aeroderivative gas turbine monitoring

Measures configured vibration parameters on aeroderivative GT machinery.

1X tracked vibration

Uses Keyphasor references for speed-related amplitude and phase processing.

Multimode alarming

Applies documented parameter sets across defined operating modes.

Four-channel monitor renewal

Restores the 176449-03 monitor while preserving every channel map and alarm.

ENGINEERING BOUNDARY

Verify 176449-03, the installed I/O module, all four sensor types, Keyphasor assignments, filters, alarm logic and multimode configuration before replacement.

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Model-specific engineering questions

Q1. How many measurement channels does Bently Nevada 3500/44M 176449-03 provide?

The product provides the 3500/44M as a four-channel vibration monitor.

Q2. Which sensor types can feed Bently Nevada 3500/44M 176449-03?

With the selected I/O module, it accepts documented Velomitor sensor and accelerometer inputs.

Q3. What signal-processing options distinguish Bently Nevada 3500/44M 176449-03?

The monitor supports signal integration, 1X tracking and configurable band-pass filtering for aeroderivative GT measurements.

Q4. How many Keyphasor references can Bently Nevada 3500/44M 176449-03 use?

The 3500/44M accepts two Keyphasor signals for configured speed-related processing.

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Acceptance reference and related products

Q5. What does multimode operation provide on Bently Nevada 3500/44M 176449-03?

Multimode operation can select as many as eight sets of alarm parameters for documented machine operating states.

Q6. Which rear hardware must match Bently Nevada 3500/44M 176449-03?

Match assembly 176449-03 to the exact I/O type, termination method and sensor configuration recorded for the rack.

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06	Bently Nevada 330180-12-05	OPEN
07	Bently Nevada 31000-00-00-15-051-01-02	OPEN

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