

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.

Manufacturer	Bently Nevada
Product family	3500 gt vibration monitor hardware
Complete model	3500/44M 176449-03
Source record	143441 Rev. V

RELATED PRODUCTS ON APTER POWER

01	Bently Nevada 177230-00-01-05	OPEN
02	Bently Nevada 330105-XX-XX-10-02-CN MOD:165931-01	OPEN
03	Bently Nevada 792414506-04	OPEN
04	Bently Nevada 330101-00-16-10-02-05	OPEN
05	Bently Nevada 330103-00-13-05-02-05	OPEN
06	Bently Nevada 330854-040-25-05	OPEN

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3500/44M 176449-03

Exact-model technical record

Complete model	3500/44M 176449-03	Supported sensors	Velomitor sensors and accelerometers via
Manufacturer	Bently Nevada	Signal processing	Integration, 1X tracking and band-pass filtering
Product family	3500 gt vibration monitor hardware	Keyphasor inputs	Two supported
Assembly	176449-03	Multimode	Up to eight alarm parameter sets
Input channels	4	Rack position	One full-height front slot with assigned rear I/O

OFFICIAL SOURCE COVERAGE

Source 1	3500/44M Aeroderivative GT Vibration Monitor Datasheet — Ordering Information, 143441 Rev. V
Source 2	3500/44M Aeroderivative GT Vibration Monitor Datasheet — Specifications, 143441 Rev. V
Source 3	3500/44M Aeroderivative GT Vibration Monitor Datasheet — Description and ordering notes, 143441 Rev. V

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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.

SOURCE IDENTIFIER

143441 Rev. V

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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.

RELATED PRODUCTS ON APTER POWER

01	Bently Nevada 330103-00-13-05-02-05	OPEN
02	Bently Nevada 330854-040-25-05	OPEN
03	Bently Nevada 21000-28-10-00-244-04-02	OPEN
04	Bently Nevada 130539-45	OPEN
05	Bently Nevada 330101-00-49-90-12-05	OPEN
06	Bently Nevada 330101-00-20-90-12-05	OPEN
07	Bently Nevada 21000-28-05-00-056-04-02	OPEN
08	Bently Nevada 330130-060-00-05	OPEN
09	Bently Nevada 330901-05-11-05-01-05	OPEN
10	Bently Nevada 330101-39-47-10-02-05	OPEN
11	Bently Nevada 330854-040-00-00	OPEN
12	Bently Nevada 330851-02-00-080-10-00-00	OPEN

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