

3500/44M Aeroderivative GT Vibration Monitor

Datasheet

Cordant™

143441 Rev. W



Description

The Bently Nevada™ 3500/44M Aeroderivative GT Vibration Monitor is a four-channel instrument designed for aeroderivative gas turbine applications. It:

- Continuously monitors machinery by comparing monitored parameters against configured alarm setpoints to drive alarms
- Communicates essential machine information for both operations and maintenance personnel

The 3500/44M's Aero GT I/O modules interface to Velomitor sensors and accelerometers through Bently Nevada interface modules. The monitor uses the Prox/Velom I/O to interface to our .

Using the 3500 Rack Configuration Software, you can configure the 3500/44M Aeroderivative GT Vibration Monitor for the following filter options:

- Signal Integration
- 1X vibration tracking
- Band-pass vibration

The 3500/44M Aeroderivative GT Vibration Monitor accepts input from two separate Keyphasor signals, allowing each channel pair to use a different tracking filter.

You can configure multimode channels to have up to eight sets of alarm parameters including alert and danger setpoints and alarm time delays. Each set may be configured for a specific machine mode.

As the machine changes modes, the monitor can switch to a specific set using contacts on multimode I/O modules or software commands through a communications gateway.



Cables

3500 Transducer (XDCR) to External Termination (ET) Block Cable 129525 - AAAA - BB

A: I/O Cable Length

0005	5 feet (1.5 metres)
0007	7 feet (2.1 metres)
0010	10 feet (3.0 metres)
0025	25 feet (7.6 metres)
0050	50 feet (15.2 metres)
0100	100 feet (30.5 metres)

B: Assembly Instructions

01	Not Assembled
02	Assembled

3500 Recorder Output to External Termination (ET) Block Cable 129529 - AAAA - BB

A: I/O Cable Length

0005	5 feet (1.5 metres)
0007	7 feet (2.1 metres)
0010	10 feet (3.0 metres)
0025	25 feet (7.6 metres)
0050	50 feet (15.2 metres)
0100	100 feet (30.5 metres)

B: Assembly Instructions

01	Not Assembled
02	Assembled

Spares

176449-03	3500/44M Aeroderivative GT Vibration Monitor
143490-01	3500/44M Aeroderivative GT Vibration Monitor User Guide
126599-01	Aero GT I/O Module Internal Terminations
140471-01	Prox/Velom I/O Module with Internal Terminations
140482-01	Prox/Velom I/O Module with External Terminations
169459-01	Multimode Prox/Velom I/O Module with Internal Terminations
169459-02	Multimode Prox/Velom I/O Module with External Terminations
00580434	Euro Style connector header 8 pin Green For use on I/O modules with internal terminations
00580432	Euro Style connector header 10 pin Green For use on I/O modules with internal terminations
00561941	Prox/Velom and Multimode Prox/Velom I/O Module ten-pin connector shunt

166M2389	Connector Header Push-in-Spring Type (Alternative for PN 00580434)
166M2388	Connector Header Push-in-Spring Type (Alternative for PN 00580432)
