

FS202 Low-frequency Dual-axis Vibration Monitor

- FS202 low-frequency dual-axis vibration monitor continuously and reliably measures and analyzes the low-frequency vibration of wind turbines, and outputs a hardware alarm signal when the vibration amplitude exceeds the set limit.
- FS202 low-frequency dual-axis vibration monitor has vibration amplitude monitoring, inclination monitoring, watchdog and self-test functions.



◇ Key Features

- ▶ Built-in high-precision accelerometer can measure both X and Y vibration or inclination in both X and Y directions.
- ▶ It has a hardware alarm signal output interface, the internal relay can output the hardware alarm signal, and the alarm threshold and other parameters can be set flexibly.
- ▶ It has the function of anti-reverse connection, enhances the EMC design, and has strong anti-interference ability.
- ▶ 100% factory calibration, no on-site calibration required.
- ▶ Cast aluminum shell, small size, easy installation, sturdy and durable, dustproof and waterproof.
- ▶ There are no moving parts, no mechanical wear and tear, and long service life.

◇ Technical Data

Specifications	Parameters
Rated Voltage	24V±15% DC
Rated Power	3.5W Max
Acceleration Measurement Range	±0.500g
Signal Output Range	0 ~ 10V
Acceleration Resolution	≤0.004g
Frequency Range	0 ~ 25Hz
Relay Contact Load	1A 250Vac/30Vdc
* Alarm Threshold	±0.250g
* Alarm Hysteresis Ratio	80%
* Alarm Release Delay	2s
* Alarm Trigger Direction	X direction, Y direction
Degree of Protection	IP66
Working Temperature	-40°C to +70°C
Module Size	150mm × 100mm × 81mm
Weight	0.8kg

Note: "*" Indicates the default configuration, which can be customized according to customer needs or changed by themselves, please refer to the FS202 software Operation Guide for details.