

FS601-I-025XY-AJ

Low-Frequency Dual-axis Accelerometer

- FS601 low-frequency dual-axis accelerometer continuously and reliably measures and analyzes the low-frequency vibration of wind turbines, and provides output software and hardware alarm signals when the vibration amplitude exceeds the set limit.
- FS601 provides vibration amplitude monitoring, inclination monitoring, watchdog and self-test functions. Parameter configuration programming and digital output via RS485 interface.



✧ Key Features

► Vibrations are measured by an internal accelerometer

X and Y directions can be measured simultaneously. Vibration and inclination in both X and Y.

► The instrument provides an alarm detection function

Alarm limits and delay times can be set individually. Setting a delay time prevents false alarms. The FS601 low-frequency dual-axis accelerometer has a hardware alarm signal output interface, and the internal relay can output a hardware alarm control signal when the vibration exceeds the limit alarm.

► Watchdog function available

The status of the power supply and accelerometer can be monitored.

► Equipped with special configuration software

Through PC communication, the acceleration measurement range, output analog range, acceleration alarm threshold, alarm start delay time, and alarm release delay time can be set.

✧ Technical Data

Specifications	Parameters
Power Supply	24V ± 10% DC
Rated Power	3.6W Max
Current Output Range	Default 4~20mA (corresponding to ± 0.700g) (modifiable)
Relay Contact Load	1A 250Vac/30Vdc
Acceleration Measurement Range	Default ±0.700g (modifiable)
Acceleration Resolution	<0.002g
Frequency Range	0 ~ 25Hz
Low-pass Filtering Order	Default 9 (modifiable)
Alarm Threshold	The default ± 0.280g (modifiable)



Alarm Hysteresis Ratio	80% by default (modifiable)
Alarm Start Delay	1 sec by default (modifiable)
Alarm Release Delay	2 sec by default (modifiable)
Alarm Trigger Direction	Default X (modifiable)
Data Latency	<0.1sec (depending on the filter order setting)
Communication Method	RS485 (9600, N, 8, 1)
Degree of Protection	IP67
Operating Temperature	-40°C to +80°C
Module Size	144mm × 80mm × 56mm
Weight	0.85Kg (without cable)

