JF-ACC

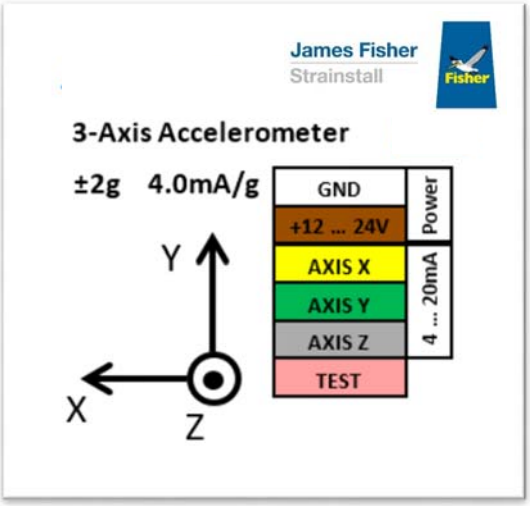
3-Axis Accelerometer (4-20mA)

A Compact Wired Tri-axial Accelerometer

The James Fisher Strainstall **JF-ACC** sensor is a low noise, low drift, 3-Axis MEMS accelerometer , designed for use in both indoor and harsh out-door environments. It is rugged, compact and low power, making it suitable for many applications, including structural health monitoring and condition monitoring. It is widely used on the **JF S Bridge-Strike** ™ systems. The sensor includes a test function , which generates an internal test force to check installation and correct operation.

Features and Benefits

- **Rugged Construction** - IP67 gel filled metal flanged box prevents in-situ damage or degradation, prolonging monitoring system life
- **Test Function** - Electromechanically generates a test force to ensure sensor is working correctly and that installation wiring is operational.
- **Easy Mounting**—Enclosure incorporates mounting holes for easy fixing to structures, to reduce installation time



Specification

JF—ACC Sensor	
Acceleration range	±2g
Output	4-20mA X, Y and Z-axis signal
Supply Voltage	12-24VDC
Sensitivity	4.0 mA/g
Bandwidth : Internal Low-Pass Filter Frequency	0-1500Hz
Noise Density	20 µg/√Hz X, Y and Z-Axis
Self Test Function	Electromechanical
IP Rating	IP68
Operating Temperature	-40°C to +100°C
Dimensions	Length: 76mm Width: 50mm Height: 30mm
Weight	Approx 75g