

SHAKE FA135



SHAKE FA335



Analog Accelerometer

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Overview

SHAKE FA135 is a uni-axial force balance accelerometer designed for structural health on buildings or cable force measurement on steel-cord bridges. The lightweight and IP67 waterproof housing brings quick deployment on the surface of objects.

SHAKE FA335 is a tri-axial force balance accelerometer suitable for bridge deck vibration monitoring. The high-dynamic resolution provides accurate data generated by micro-tremors, loading of heavy traffic, structural vibration as well as earthquakes. SHAKE FA335 can be also applied into high-rise building health and strong-motion monitoring.

The voltage outputs of SHAKE FA135 and SHAKE FA335 are compatible with digitizers manufactured by Sanlien or any other brands with easy integration.



Key Features



Applicable to
Various Recorders



Voltage Output



Waterproof IP67

Applications

- ✓ 1. Bridge Safety & Cord Health
- ✓ 2. Short/Long-term Building Health
- ✓ 3. Earthquake Regional Array & Local Standalone Station

Best Suited



Steel Cord
Vibration Monitoring



Structural
Vibration Monitoring



Strong-motion
Monitoring

Specifications **SHAKE FA135**

Sensor Type	Uni-axial FBA
Measuring Range	± 2 g
Dynamic Range	> 150 dB (from 0.1 Hz to 20 Hz with 2g full scale)
Bandwidth	DC ~ 100 Hz
Output	± 10 V fully differential
Sensitivity	5 V/g
Nonlinearity	<0.1%
Cross Axis Sensitivity	<0.5%
Power Supply	10 - 30 VDC
Power Consumption	50mA@12 VDC
Waterproof	IP67
Operating Temperature	-20 °C ~ 70 °C
Weight	611 g
Dimension (LxWxH)	109 x 88 x 54 mm

SHAKE FA335

Sensor Type	Tri-axial FBA
Measuring Range	± 2 g
Dynamic Range	> 150 dB (from 0.1 Hz to 20 Hz with 2g full scale)
Bandwidth	DC ~ 100 Hz
Output	± 10 V fully differential
Sensitivity	5 V/g
Nonlinearity	<0.1%
Cross Axis Sensitivity	<0.5%
Power Supply	10 - 30 VDC
Power Consumption	80mA@12 VDC
Waterproof	IP67
Operating Temperature	-20 °C ~ 70 °C
Weight	2.6 kg
Dimension (LxWxH)	158 x 145 x 74 mm

* All prices, features, and specifications are subject to change without prior notice.

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Sanlien Technology is committed to making environments safe for humans. Hence, we insist on continuing R&D investment, perfecting our manufacture of monitoring systems, and expanding into Smart City and IoT monitoring. With more than 1,000 local and international customers, Sanlien is trusted by global customers with high standards. By working with renowned agents around the world, we ensure optimal performance and reliability of our services. With 50 years profound experience in Taiwan, Sanlien becomes the most exceptional provider measuring technologies in the Asia-Pacific region. Sanlien has conceptualized the idea of being a global partner into a three-in-one strategy: long-term deployment of globalization, integration of local resources, and localized operations. We shall march on step by step with the stamina for running a marathon.



Sanlien Technology Corp.

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