



Sanlien Technology Corp.

AA222



Tri-axial Force Balance Accelerometer

Be the frontier of environmental monitoring

www.sanlien.com

Introduction

The AA222 is a tri-axial Force Balance Accelerometer (FBA) featuring +/-10V voltage outputs. With a dynamic range exceeding 150dB, it excels in various applications, including Earthquake Early Warning (EEW), seismic hazard prevention, and Rapid Structural Health Diagnostic (RSDH). This easy-to-use, reliable, and robust accelerometer is housed in an IP67 waterproof aluminum alloy enclosure, ensuring optimal performance in all environments.

Equipped with voltage output compatibility for various recorder brands, the AA222 transforms into the FA330 integrated seismograph when paired with triple technology recorders. The bottom of the AA222 is designed with a mounting tenon and includes a randomly attached alloy expansion screw for easy installation. The shell features a level bubble meter and adjustment screws, facilitating balanced adjustments for wall-mounted or ground-mounted installations, ensuring precise measurements and accurate monitoring even in dynamic environments.



Key Features



High Dynamic Range



Wall Mounted and Ground supported



Voltage Output



Waterproof IP67

Applications

- ✓ Industrial disaster prevention
- ✓ Earthquake Early Warning System (EEWS)
- ✓ Rapid Structural Health Diagnostic (RSHD)

Best Suited



Residential Buildings



Earthquake Monitoring



Bridge Engineering

Specifications

Measuring Method	Force Balanced Accelerometer
Bandwidth	DC - 200 Hz
Dynamic Range	>150 dB (from 0.1Hz to 20Hz with 2g full scale)
Measuring Range	± 2 g (0.5, 1, or 4g)
Noise Level	0.0633μg/ Hz
Output	± 10 V fully differential (50ohm)
Sensitivity	20, 10, 5, 2.5 V/g
Power Consumption	80mA@12V
Power Supply	12 VDC
Waterproof	IP67
Working Temperature	20 to 70 °C
Weight	2.6 kg
Dimension (W x L x H)	205 x 160 x 80 mm

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

Be the frontier of environmental monitoring

Sanlien Technology is committed to making environments safe for humans. Hence, we insist on continuing R&D investments, perfecting our manufacturing 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 the optimal performance and reliability of our services. With 50 years of profound experience in Taiwan, Sanlien has become the most exceptional provider of 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.

©2022 Sanlien Technology Corp. All rights reserved.



Sanlien Technology Corp.

+886-2-2708-1730 | www.sanlien.com | sales@sanlien.com