



Specifications

ADC Resolution	: 24 bit
Communication	: RJ-45 PoE
Display	: Power, Status, Link
Dynamic Range	: 138 dB
Measuring Range	: ± 2 g, ± 4 g (factory configured)
Mount Mode	: Horizontal or vertical (adjustable with PX01)
Noise Density	: 0.5 μ g / \sqrt Hz
Sampling Rate	: 100, 200, 500, 1000sps
Sensor	: Tri-axial MEMS accelerometer
Shock Proof	: 1000 g (0.2 ms)
System Configuration	: Via web interface
Temp. Drift	: 0.1 mg / $^{\circ}$ C (dynamic offset with PX01)
Time Synchronization	: NTP

Introduction

AC220 is a tri-axial MEMS digital accelerometer designed for both Structural Health Monitoring (SHM) and strong motion monitoring.

AC220 can be connected to PX01, a centralized multi-channel datalogger. With its built-in algorithms, AC220 is able to provide valuable data after disasters.

AC220 can also be configured through web. The user friendly and plug-n-play features help end users to respond to earthquake fast and quick assessment on structural integrity.

Environment

Power Supply	: PoE
Power Consumption	: ≤ 1 Watt
Relative Humidity	: 5 ~ 90% RH, non-condensed
Waterproof	: IP67
Weight	: 660 g
Working Temperature	: -20 ~ +70 $^{\circ}$ C
Dimension (LxWxH)	: 151.2 x 76.5 x 56.5 (mm)

Features



Built-in Web GUI



On-site Early Warning and Regional Early Warning when Connected with PX01 or CUBE



SanDAS Software for Data Analysis



Support Ethernet PoE for Plug-n-play



Time Synchronization via NTP