

pALERT Q332



Tri-axial Quartz MEMS Accelerograph

Be the frontier of environmental monitoring

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Overview

pALERT Q332 is a cutting-edge tri-axial digital output all-in-one accelerograph. Embedded with a Quartz MEMS (Micro-Electro-Mechanical System) accelerometer, pALERT Q332 convinces with its ultra-low noise, high stability, and ideal power consumption. The Quartz MEMS technology results in high accuracy, durability, and long-term stability that are not achievable with conventional sensor technologies.

The versatile pALERT Q332 is well suited to a wide range of challenging applications such as Earthquake Early Warning (EEW), seismic observation, civil engineering vibration monitoring, micro-tremor monitoring for technology plants, as well as Structural Health Monitoring (SHM). The features of pALERT Q332 include a dynamic range of up to 132 dB, a sampling rate of up to 1000 SPS, and support for international standards of intensity scales (MMI, JMA, KMA MMI, CEA, CWB).



Key Features



Built-in Web GUI & Waveform Viewer



Digital Output x3



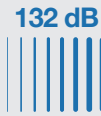
Modbus Protocol



Time Synchronization via NTP or GPS



Built-in Backup Power



132 dB
High Dynamic Range

Applications

- ✓ Industrial Disaster Prevention
- ✓ Earthquake Early Warning System (EEWS)
- ✓ Rapid Structural Health Diagnostics (RSHD)
- ✓ High-Tech Plant VC Curve Monitoring

Best Suited



Seismic Monitoring for Regional Array



Onsite & National Earthquake



Micro-tremor Monitoring for High-tech Industry



Structural Health Monitoring for Buildings, Bridges, or Dams

Specifications

Sensor Type	Tri-axial Quartz MEMS Accelerometer
Measuring Range	±1 g, ±2 g, ±4 g, ±15 g
Dynamic Range	132 dB
Sampling Rate	100 SPS, 200 SPS, 500 SPS, 1000 SPS (configurable)
Frequency Response	DC - 460Hz
Digital Resolution	3 channels @24-bit
Trigger Algorithm	Pd, PGA, STA / LTA
Data Format	CSV / miniSEED
Time Synchronization	Supporting NTP synchronization. Optional: GPS model available upon request
LED Display	LCD 2 lines x 20 characters
Storage	32GB microSD Card (expandable)
Power Supply	10 - 30 VDC
Power Consumption	2W@12 VDC
Operating Temperature	-20 °C to 70 °C
Waterproof	IP67
Dimension (L x W x H)	205 x 160 x 80 mm
Weight	1.8 kg

*All price, feature and specification 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.

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