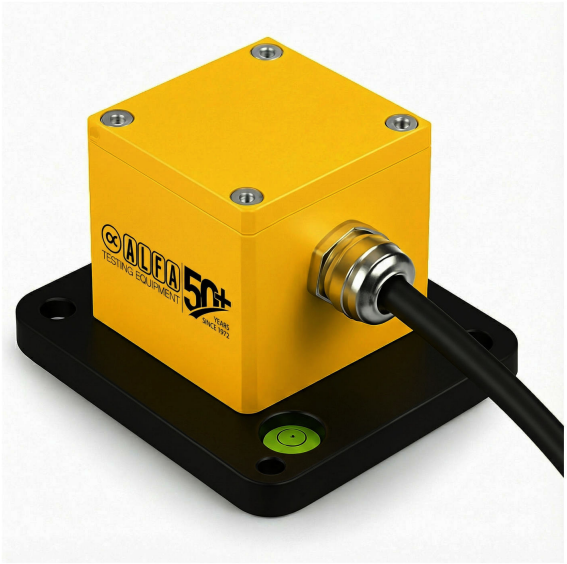
TRIAXIAL ACCELEROMETER

Code : N430



- Designed for strong-motion, structural health monitoring, vibration assessment, and dynamic response evaluation of buildings, bridges, foundations, and civil engineering structures. This triaxial digital accelerometer provides stable, low-noise, and high-resolution measurements suitable for engineering, research, and monitoring applications.
- The digital sensor architecture provides excellent linearity, thermal stability, and long-term drift performance, ensuring reliable measurements even under fluctuating environmental conditions. Internal temperature monitoring enables drift compensation and enhances data integrity.
- The system includes configurable anti-alias filtering, digital signal conditioning, and synchronized timestamping, providing clean, consistent data for structural analysis, modal testing, and earthquake engineering studies.
- The unit operates entirely through USB power and communication, allowing rapid deployment in laboratories or field environments. Its compact, robust housing is suitable for both temporary and semi-permanent installations at monitoring points.

TECHNICAL SPECIFICATIONS

- Number of Axes: 3 (X, Y, Z)
- Measurement Range (Selectable): ±2 g / ±4 g / ±8 g
- Noise Density (Typical): ≤ 25 µg/√Hz
- Non-Linearity: ≤ 0.1% FS
- Cross-Axis Sensitivity: ≤ 1%
- Internal Temperature Channel: Included
- Logger Sampling Rates: 1 to 1000 samples/second per axis
- Usable Bandwidth: Up to ~¼ of selected sampling rate
- Digital Filtering: Anti-alias and configurable LP/HP filters
- Interface: USB 2.0 (Full Speed)
- Maximum Continuous Streaming: 1000 samples/second per axis
- Power Supply: 5 V DC via USB
- Typical Power Consumption: < 1 W
- Operating Temperature: 0 °C to +50 °C
- Storage Temperature: –20 °C to +70 °C
- Housing: Metal enclosure
- Mounting: Rigid base with mounting holes

EQUIPPED WITH

- Integrated triaxial accelerometer
- Data Logger

SUPPLIED WITH

- Accelerometer with integrated data acquisition module
- USB connection cable
- Mounting hardware set
- PC software for live monitoring, configuration, and data export

ORDERING INFORMATION

To be added soon ...