



For more
information
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website

Safety from every angle

Structural Health Sensor

- movement- and tilt sensor in one device
- proven technology
- extremely accurate
- on demand
- real time 24/7
- fast problem detection
- fast alarm function
- integrated management tool
- integrated weather and tidal data optional
- compact design
- daisy chain
- easily scalable
- IP68+

- no big investment needed
- cost reduction



Specifications Structural Health Sensor

General features:

- Aluminium/Stainless Steel IP68+ housing
- ATEX-0 ready
- Weight: 1060 [grams]
- Dimensions (LxWxH): 140 x 75 x 90 [mm]
- Power supply: 12 → 75 Vdc
- PoE IEEE802.3af & -at mode A DataWires
- Bus system: StabiBus®
- Operating temperature: -20° to 60° [C]
- 100 Tx base Ethernet
- Wifi IEEE802.11b/g/n
- Activation over Reed
- Indication RGB LED
- Android StabiApp®
- Auto Event Sensing & Triggering
- Autonomous Sensitivity Adaption
- HF datablock up to 5min.@400Hz
- Data Storage up to 32GB
- URL Alert

Inclination (micro)

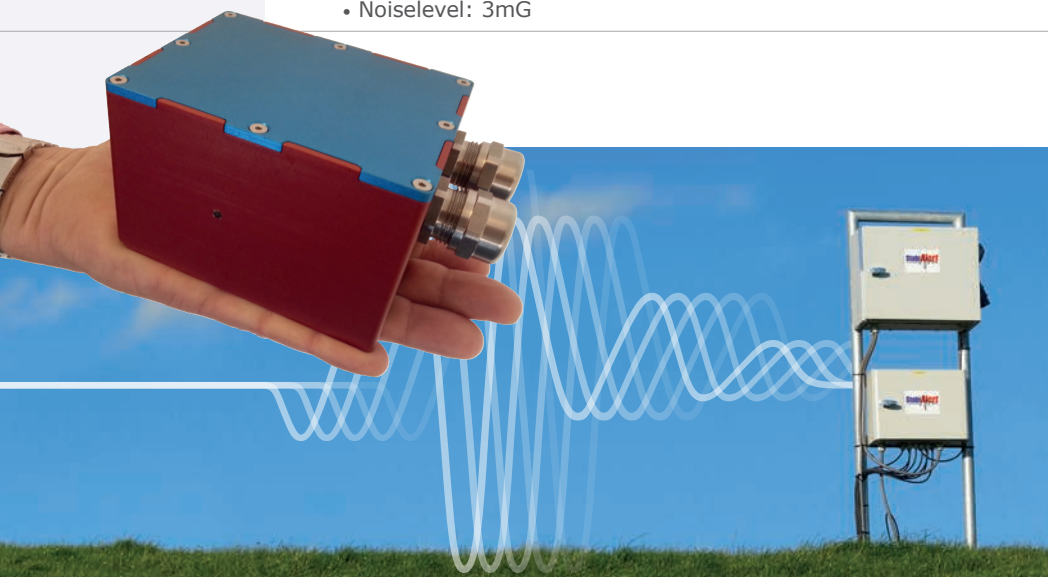
- Bi-directional inclination detection
- Resolution between: 0.000046 - 0.000039 [g]
- Accuracy: $\pm 0.0003\%$
- Range: $\leq 1^\circ$ around zero-point
- Sample rate: 100Hz

Inclination (macro)

- Resolution 0.024 [g]
- Accuracy: $\pm 0.01\%$
- Range: $360^\circ \times 360^\circ (> 1^\circ)$
- Sample rate: 400Hz

Acceleration

- Tri-axis accelerometer array
- Ranges: $\pm 2G$ (default) $\leftrightarrow \pm 16G$
- Sample rate: 400Hz
- Sensitivity: $0.15\mu\text{m/s}@1\text{Hz} \leftrightarrow 60\mu\text{m/s}@400\text{Hz}$
- Resolution: $61\mu\text{g}/\text{bit}$
- Temperature Drift: $0.01\% \text{ Resolution}/\text{degree}$
- Noiselevel: 3mG



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StabiAlert