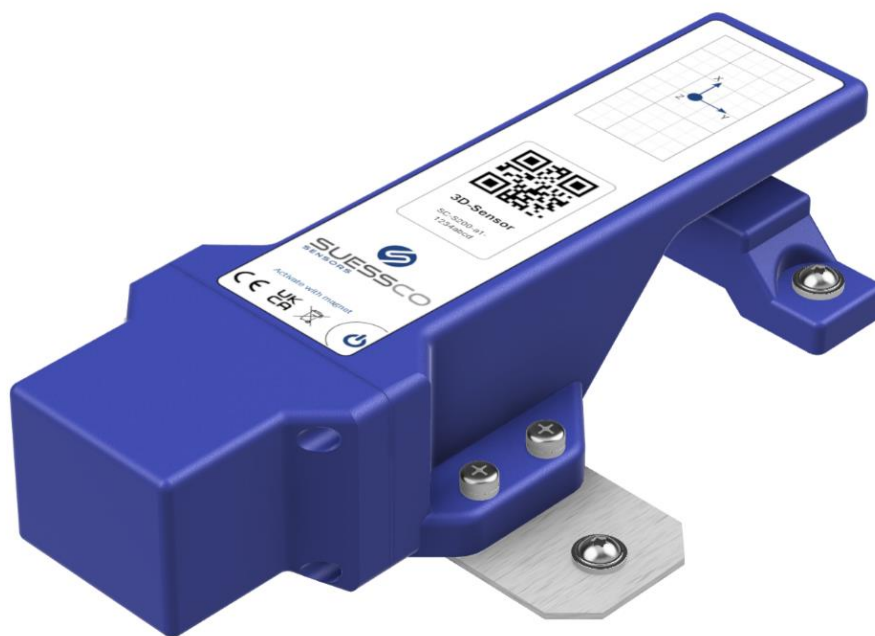




Datasheet 3D-Sensor

The patented high-tech sensor for digital long-term monitoring of movements. The SuessCo 3D-Sensor precisely captures absolute position changes between two objects. It measures the three spatial axes (X, Y, Z) and temperature data. All data is digitally recorded and wirelessly transmitted to a monitoring platform with an integrated alarm function.



Applications:

- Monitoring of cracks
- Monitoring of infrastructures and buildings
- Movements or settlements in industrial applications

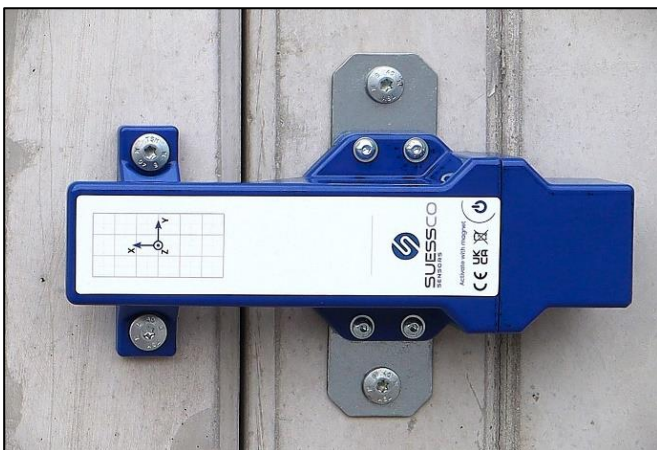
Key features:

- One sensor monitors all 3 axes (X,Y,Z)
- Easy to install
- Wireless communication
- High accuracy and no drift
- Integrated temperature sensor
- Monitoring platform with alarm

Datasheet 3D-Sensor



Dimensions	Key values	Data acquisition
Sensor: 260 mm x 100 mm x 51 mm Weight: Sensor incl. plate : 558g Reference object: 75g	Measurement range: X-Axis: 60 mm Y-Axis: 30 mm Z-Axis: 20 mm Temperature: -20 °C to +54 °C	Battery life: Up to 10 years at 1 reading per day (adjustable measuring interval)
Reference object: 26 mm x 118 mm x 26 mm	Repeatable accuracy: Axis X,Y,Z: $\pm 50 \mu\text{m}$ Temperature: $\pm 0,5^\circ\text{C}$	Data transmission and storage: LTE-M, Wi-Fi, monitoring-platform



Reference crack application



Reference crack application