



Datasheet 3D-Sensor

The high-tech 3D-Sensor measures absolute position changes between two objects. Displacements along the three axes (x, y, z) are precisely monitored together with the temperature and transferred to a monitoring platform. An alarm can be triggered when individually adjustable limit values are exceeded.



Reference applications:

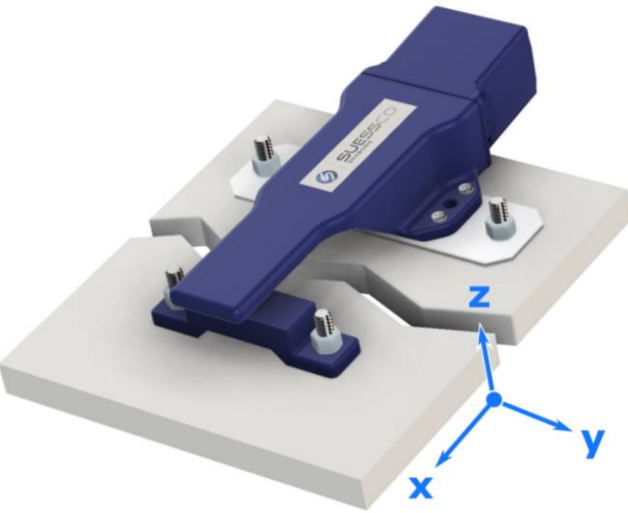
- Monitoring of cracks
- Monitoring of infrastructures and buildings
- Movements or settlements in industrial applications
- Long-term monitoring

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



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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: -30 °C to 60 °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: 50 µm Temperature: ± 0,5°C	Data transmission and storage: LTE, NB-IoT, monitoring- platform



Reference crack application



Reference bridge application