Datasheet
6D-Sensor

The SuessCo 6D-Sensor measures absolute position change and rotation between two objects. The three longitudinal axes (x, y, z) and the corresponding rotation values (3 Euler angles) are recorded and transferred to a monitoring platform including alarm function.
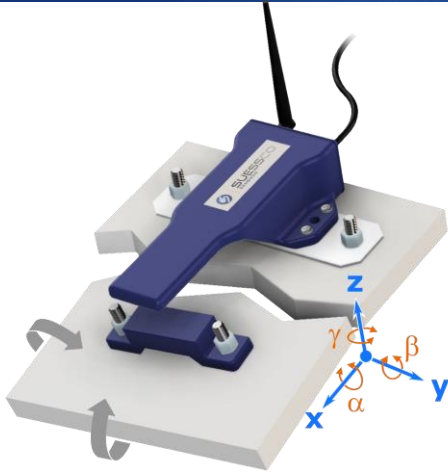

Recommended for:

- Monitoring of bridges
- Monitoring of infrastructure and buildings
- Movements or settlements on industrial sites
- Long-term monitoring in complex environments

Key Features:

- One sensor for motion measurement of 3 axes (X,Y,Z) and rotation values (α,β,γ)
- Flexibility in demanding environments
- High accuracy and no drift
- Integrated temperature sensor
- Monitoring platform with alarm

Datasheet
6D-Sensor

Dimensions	Key values	Data acquisition
Sensor: 170 mm x 100 mm x 45 mm Weight: Sensor incl. plate : 418g Reference object: 75g	Measurement range: X-Axis: 60 mm Y-Axis: 30 mm Z-Axis: 20 mm Temperature: -30 ºC to 60 ºC	Max. Battery life: • up to 2.5 years with 15 minutes measurement interval • measuring interval individually configurable • external power supply or PV
Reference object: 26 mm x 118 mm x 26 mm	Repeatable accuracy: Axis X,Y,Z: 50 µm Angles α,β,γ: ± 0,1ºC Temperature: ± 0,5ºC	Data transmission and storage: LTE, NB-IoT, monitoring-platform

Reference crack application

Reference bridge application