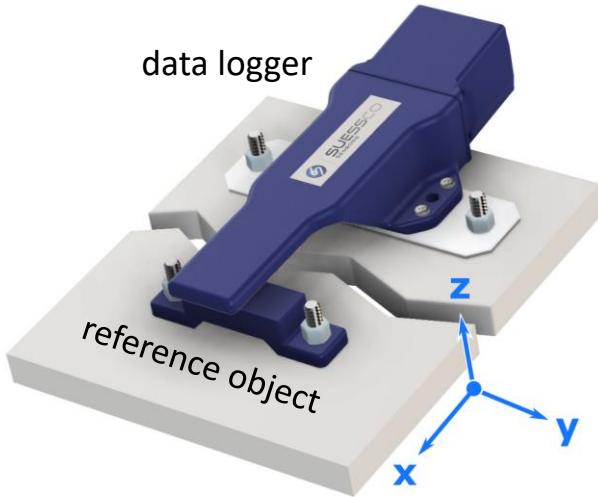


3D-Sensor



Dimensions

- Reference object: 26 mm x 118 mm x 26 mm
- Data logger: 260 mm x 100 mm x 51 mm

Key values

- Measurement range
 - X: 60 mm
 - Y: 30 mm
 - Z: 20 mm
 - Temp.: -30 °C to 60 °C
- Genaugigkeit
 - x, y, z: ± 50 µm
 - Temp.: ± 0,5°C

Data acquisition

- Measuring interval
 - Individually configurable
- Power supply
 - Maximum battery life 10 years with one measurement per day
 - Optional external power supply
- Data transmission and storage
 - LTE, NB-IoT
 - Cloud and local at the logger

Advantages

- One sensor for motion measurement of 3 axes (X,Y,Z)
- Easy to install
- High accuracy and no drift
- Integrated temperature sensor
- Monitoring platform with alarm and API

Fields of application

- Monitoring of cracks
- Condition monitoring of infrastructures and buildings (bridges, buildings, industrial plants, wind power, tunnels, dams, walls, etc.)
- Movements or settlements of tanks, etc.

Summary

The unique magnetic field technology together with KI of SuessCo Sensors allows to capture the absolute position change between two objects. The three longitudinal axes (x, y, z) are recorded together with the temperature values and transferred to a monitoring platform. An alarm is triggered when individually adjustable limit values are exceeded.





Application examples

Dashboard

Projects overview list

| Project name | Address | Project number |
|-------------------------|-----------------------------|----------------|
| Bahnbrücke (BR1) | Hainbach 1, 9020 Klagenfurt | 142-54-32 |
| Baustelle (BS1) | Aletrastraße 1, 8020 Graz | 123-93-45 |
| Bundeskanzleramt (BK1) | | |
| Demoauftbau Messe (DM1) | All around the globe | 987-654-321 |
| Donaubrücke (BR2) | | |
| Industrieanlage (IA1) | | |
| Kirche (K1) | | |

Projects overview map

Items per page: 20 | 1 - 11 of 11 | < > >>

Hierarchical overview

- Bahnbrücke (BR1)
 - Abschnitt 1 (AB1)
 - BR1-AB1-PD-1
 - BR1-AB1-PD-2
 - Demo Bauindustrie- Baustelle (BS1)
 - GNSS-Postionsmessung (GP)
 - BS1-GP-GS-1
 - Rissmessung (RM)
 - BS1-RM-PD-1



Project: Baustelle (BS1)
Section: Rissmessung (RM)
Sensor: BS1-RM-PD-1

Start time: 09.09.2022, 00:00 UTC
End time: 16.09.2022, 00:00 UTC

Additional information about position:
Rissbreite 3. Stock
Rissöffnung in x

Update sensor overview infos
Neuerallianz nach Restaurierung der Wand am 15.08.22

Update sensor details

Analysis of the total measurement duration
no data present

Time of installation: 14.06.2022, 14:00 UTC
Last transmission time: 16.09.2022, 21:45 UTC

Logging configuration:
Logging interval: 0.00:15 [d:hh:mm]
Sending interval: 0.05:00 [d:hh:mm]
Set at: 14.06.2022, 20:06 UTC

Sensor image

Detail position [mm]

Detail temperature [°C]

Detail rotation [°]

Overview image

Sensor map

