



SUESSCO
SENSORS

OPERATING MANUAL

3D-Sensor XT

6D-Sensor



CE

UK
CA

Dear customer!

You have chosen a high-quality product with innovative and patented magnetic field technology from SuessCo Sensors. We strive for highest precision paired with efficient installation and carefree operation. We thank you for your trust and hope that the sensor meets your expectations. If you have any questions or suggestions, please do not hesitate to contact us.

Yours sincerely,



Ernst Windhör, CEO

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1. Safety Instructions

DANGER	
	Risk of injury from electrical components! Pay attention to electrical hazards in the area of electrical components. Only authorised and trained personnel are permitted to work on electrical components.
	Risk of injury on the battery box! Be aware of the dangers of incorrect handling or unauthorised access to the battery box. Only authorised and trained personnel are permitted to work on the battery box.
WARNING	
	Risk of injury due to falling! If the sensor falls to the ground, it must be checked for damage immediately. If the sensor is damaged, it must not be put into operation.
	Risk of injury due to incorrect installation! Ensure that the sensor is always installed correctly. Check the installation regularly.
	Risk of injury from unqualified persons! It is strictly forbidden to open the housing of the sensor. It may only be removed by authorised personnel.
	Risk of injury due to incorrect use! The device must never come into contact with water.
	Risk of injury for children! Ensure that children never use the appliance unsupervised. The appliance is not a toy.

WARNING	
	Risk of injury due to environmental influences! It is strictly forbidden to store the sensor outdoors. Always protect it from environmental influences.
	Fire hazard due to dirt deposits! Regularly remove dust and dirt deposits from all cable connections and cables.
	Risk of injury due to incorrect cleaning! Ensure that the sensor is always cleaned properly. Always follow the instructions in the operating instructions.
	Risk of injury due to damage! Ensure that the sensor is always cleaned properly. Always follow the instructions in the operating instructions.
	Risk of injury due to damage! Check the connections regularly for damage or similar anomalies
	Risk of injury due to incorrect spare parts! Only ever use original spare parts recommended by the manufacturer.
CAUTION	
	Crushing hazard at the sensor! Be aware of the risk of crushing between the magnet and sensor.
	Risk of injury due to damage! Make sure that you avoid damaging the magnet. If the magnet is damaged, you must replace it.

2. General Provisions

In general, the following safety regulations and obligations apply when handling the sensor:

- The sensor may only be operated if it is in perfect and clean condition.
- It is prohibited to remove, modify, bypass or circumvent any protective, safety or monitoring device.
- It is forbidden to modify or alter the sensor.
- Faults or damage must be reported to the operator immediately. These must be rectified immediately using original parts.
- For any activity other than the intended use in the area of the sensor, it must be depressurised and de-energised and secured against being switched on again.
- Only original spare parts may be used for repairs.
- The safety and operating instructions in the documentation for the components used must always be observed.
- All protective, safety and monitoring equipment must be regularly checked and maintained by the operator (see maintenance schedule).
- Only instructed, trained or qualified persons may carry out work in the area of the sensor.
- The maintenance work must be carried out and documented in accordance with the maintenance plan provided.
- After maintenance or repair, the sensor may only be started up with all protective devices fitted. A responsible person must be appointed to check that the protective devices are properly fitted.
- The national employee protection regulations and the national safety and accident prevention regulations apply to the operation of the sensor.

3. Scope of Delivery

The following elements are included in the scope of delivery. Additional mounting material is required for installation.

The 3D Sensor XT has an integrated antenna and an external battery box.

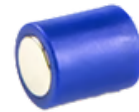
The 6D Sensor has an external antenna. You will need to purchase the external power supply separately from your dealer.



a) Sensor



b) Reference object



c) Activation magnet



d) Battery box (included only with 3D-Sensor XT)



e) 2m cable



f) Antenna (6D-Sensor)

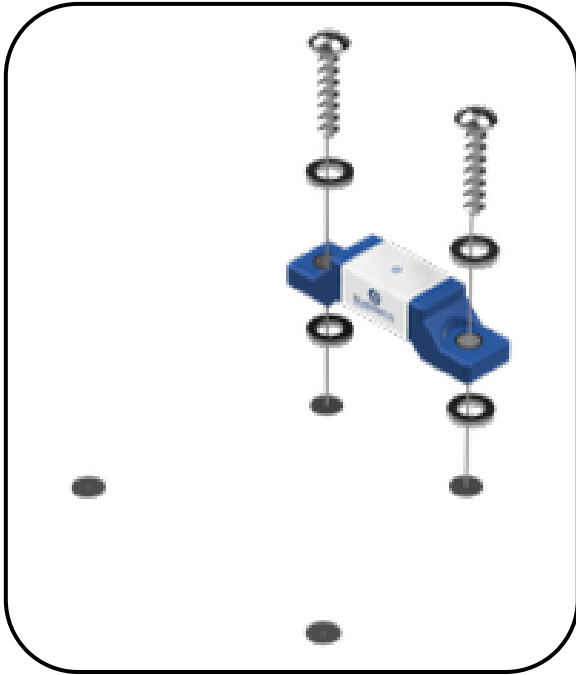
4. Positioning the Sensor

The reference object b) should be positioned in the centre of the measuring range of the sensor a). Markings on the sensor tongue and the reference object indicate the centre point.

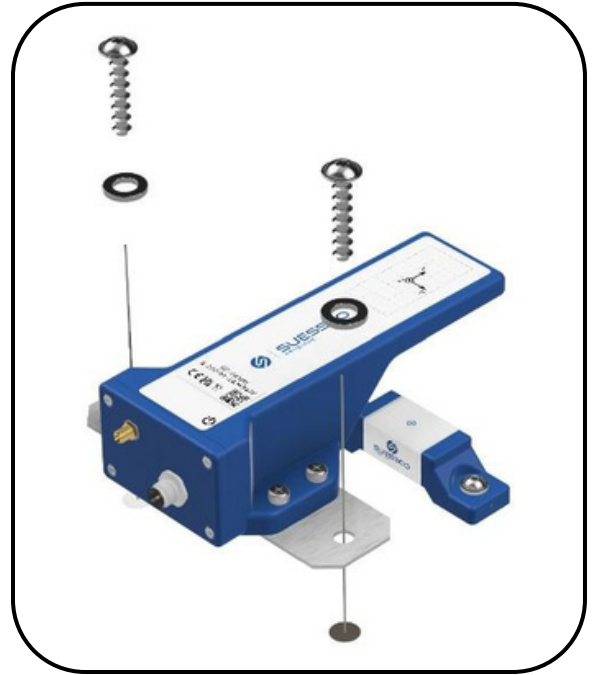
A mounting template is included or can be downloaded here:



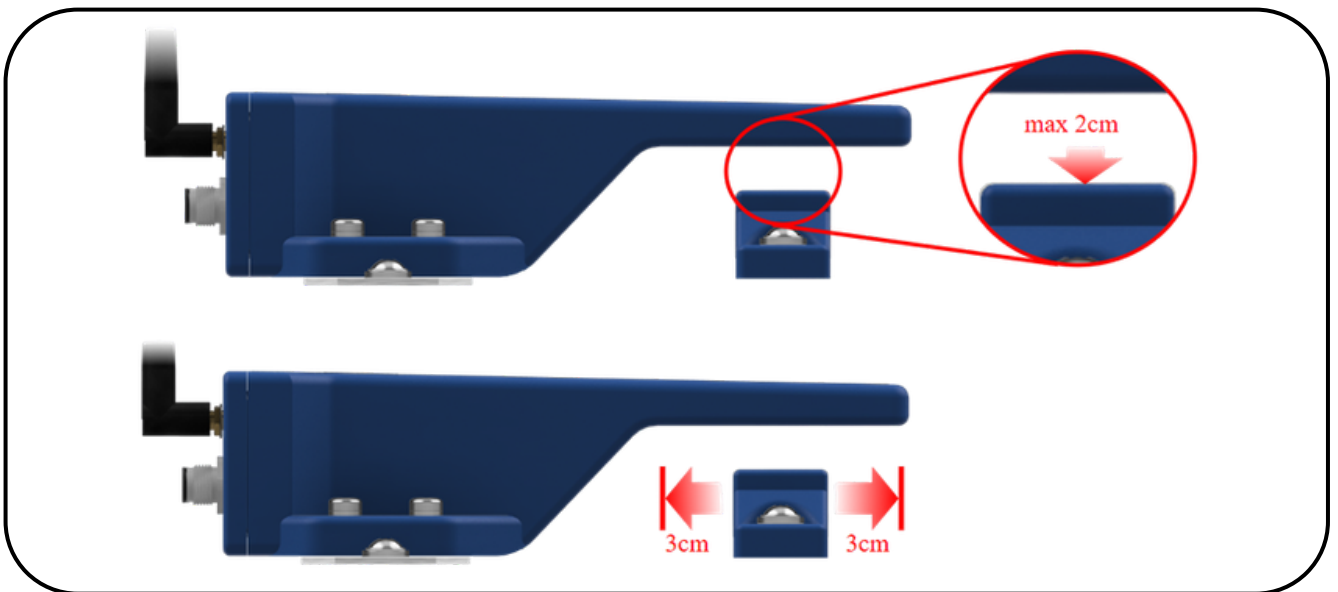
5. Installation



1.) Install reference object



2.) Install Sensor



3.) When setting up the measuring range, take the expected movements into account!

Here's the video tutorial:



6. Connectors & Activation

Antenna: (6D sensor only)

Connect antenna f) to the antenna connector of the sensor.

Power cable:

Connect the sensor and the battery box d) or power case using the included cable e).



Ensure that the cable is not strained.

Connectors of the 6D-Sensors

The battery box can be wall-mounted using suitable mounting hardware. Please contact your dealer to purchase the required mounting materials.

The sensor is ready for operation and transmits its measurement data to the SuessCo Datahub at the preset interval.

The final sensor setup is completed in the SuessCo Datahub.

Optional: One to three minutes **after activation**, a new measurement can be triggered at any time outside the predefined interval using the activation magnet on the -symbol. The data is transferred to the SuessCo Datahub.

7. SuessCo Datahub

The SuessCo Datahub is the central web platform where all the sensor's measured values and functions are collected and displayed.

The address is: <https://hub.suessco.com>



Access and Sign-In

After your purchase, you will receive your personal login details (activation link) via email. After entering your data and confirming your email address, the sensor can be set up.

Features in the SuessCo Datahub

- Overview of all active sensors in the dashboard
- Display of current operating status (online/offline)
- Graphical visualization of motion, rotation, and temperature values
- Export of measurement data for further analysis
- Alert notifications when defined thresholds are exceeded

If you have not received your login details or experience any issues signing in, please contact the dealer from whom you purchased the sensor

For further instructions, videos and FAQs, please visit

<https://suessco.com/en/support/>



Imprint:

SuessCo Sensors FlexCo
Rathausplatz 18
3130 Herzogenburg
Austria