Quick Start Guide
6-Axis F/T Sensor Kit

Resense
A Sense of Touch

What's in the box

F/T Sensor w/ cable
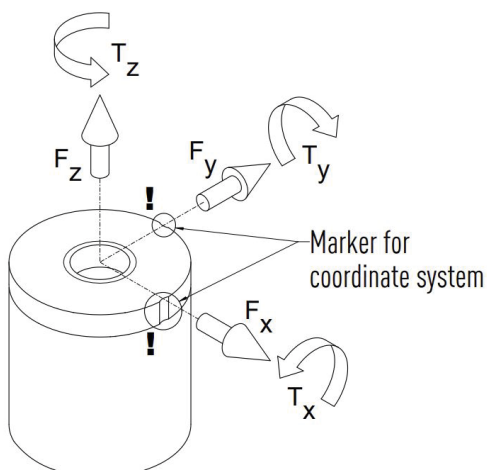and Sub-D-HD connector

Miniature
Electronics box

Micro USB cable

Software application
F/T Explorer (SD card)

Step by step setup

1. Connect the Sub-D-HD connector of the sensor cable to the electronics box input.
   ⚠ Note on FPC connection: For HEX10 and HEX12 sensors, please make sure, that the flex cable is connected properly to the round cable via the FPC connector. The flex wires must face up in the direction of the closing lid.

2. Connect the miniature electronics box (micro USB 1) to your desktop PC via the micro USB cable. The miniature electronics box is switched on automatically.

3. Insert the SD card into your PC. Directly start the software application from the storage device by double-clicking the shortcut Force/Torque Explorer.

4. The software application is used to display, record and save sensor data. See an overview of available features on the back page.

Micro USB

Coordinate axes definition

The notches at the top of the sensor mark the x and y axis.

T_z

F_z F_y T_y

Marker for
coordinate system

F_x

T_x

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Feature overview
F/T explorer

1. Select the desired serial connection (COM port) or work w/o sensor#

2. Switch tabs between live view, recordings and calibration matrix

3. Select the desired output format and location for F/T calculation; calculation on Electronics per default

4. Change the sample rate of the plotted sensor data

5. Start a recording of the sensor readings

6. Make changes to the scaling of x and y axis in the live view configurations

7. Use the zoom out, pan, zoom in and measure functions in the recording view

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