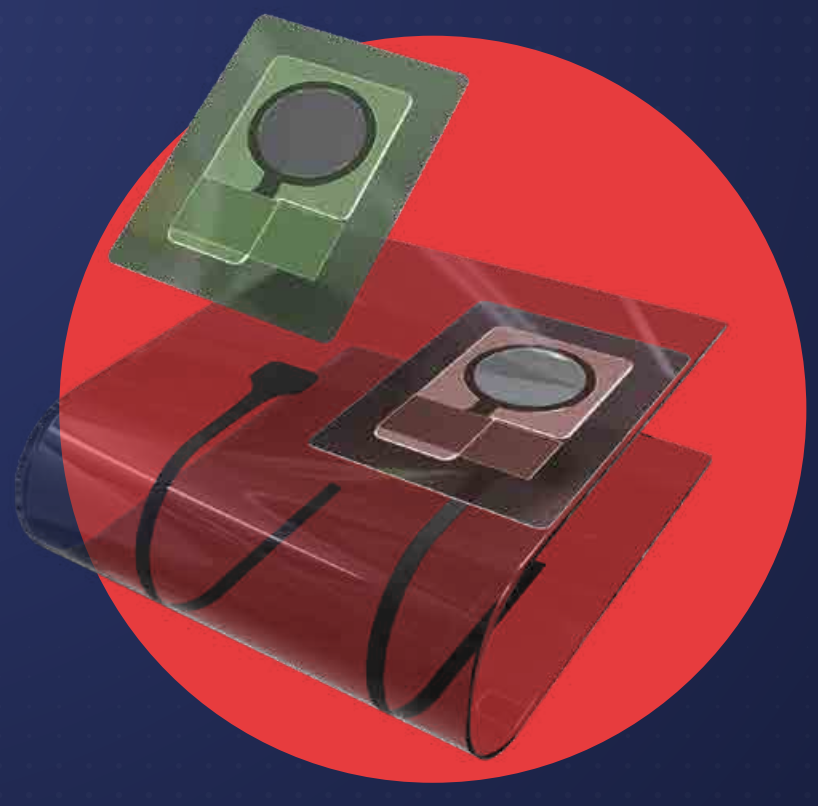
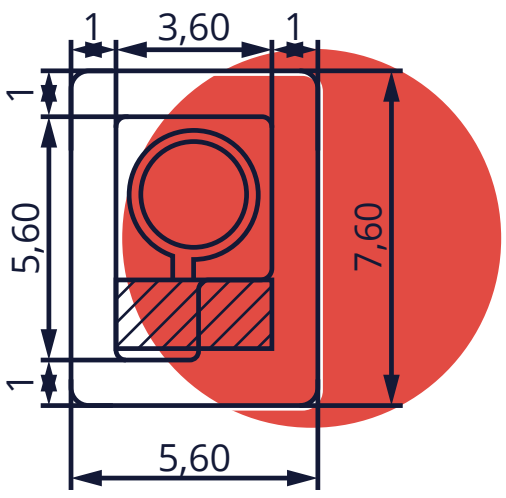
SMD FOILSENSOR DESIGN AND USER MANUAL

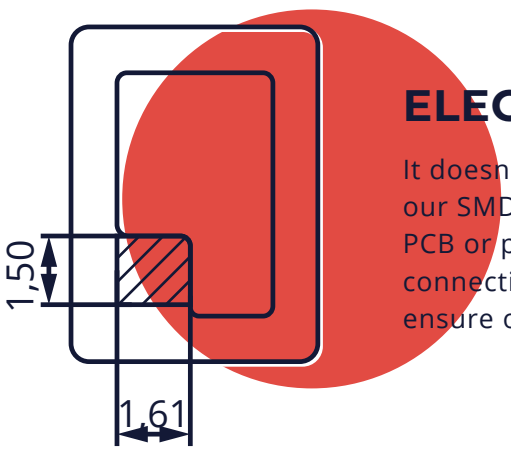
HOW TO SET UP YOUR SMD FOILSENSOR

How can you integrate an SMD foil sensor into your product? What are the technical requirements for this and how is the sensor attached? Our Design and User Manual will help you to prepare your application and the best practice to attach the sensor.



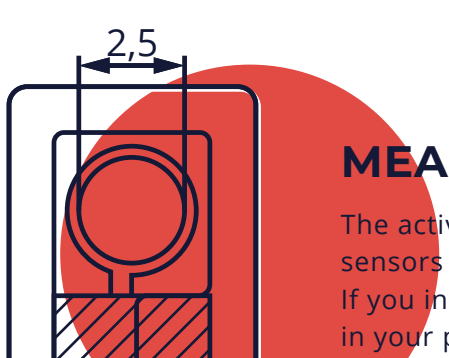
DESIGN MANUAL





ELECTRICAL CONTACT

It doesn't matter whether you stick our SMD foil sensors onto a PCB, flex PCB or printed foil. You need a connection pad of 1.5x1.6mm to ensure optimum signal transfer.



MEASURMENT SPOT

The active measuring surface of our sensors has an average of 2.5 mm. If you integrate/enclose our sensors in your product, make sure that this area has access to the measuring medium.

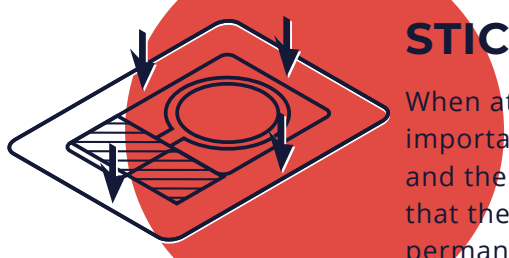
USER MANUAL

PREPARING THE SURFACE

To ensure that our cover film has the perfect hold and the sensor does not detach from your conductor track, it must be free of grease, dry and clean.

DETACHING THE SENSOR

If you remove our SMD foil sensors from the liner, bend the liner backwards by at least 90°, grab the sensor and pull the liner off by at least 90°.

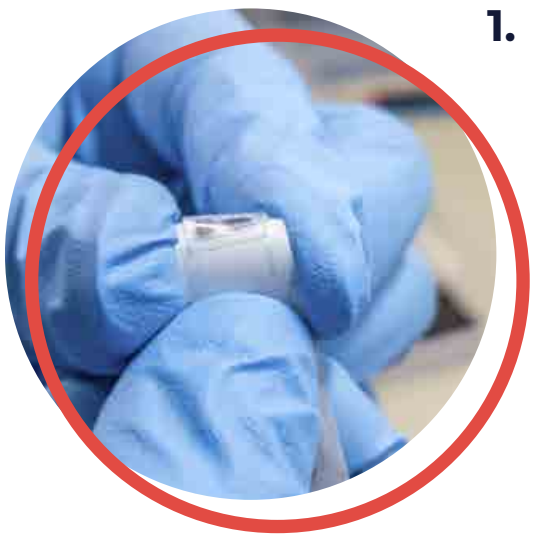


STICK THE SENSOR

When attaching the sensor, it is important to press on the edge area and the contact area separately so that the adhesive connection is permanently fixed. You can use our stick on tool for this

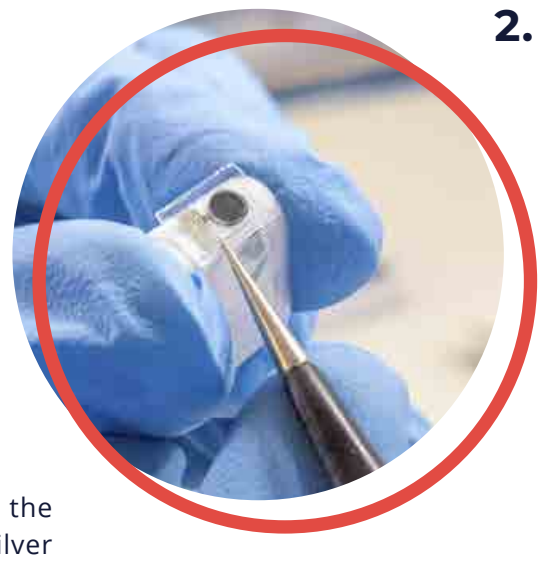
STEP-BY-STEP GUIDE

HOW TO STICK OUR SENSORS TO YOUR APPLICATION



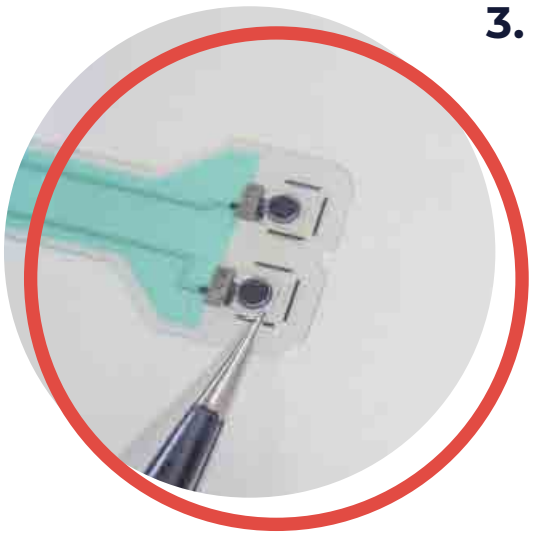
1. LOOSENING THE LINER

Bend the liner by 90° to lift off the edge of the sensor



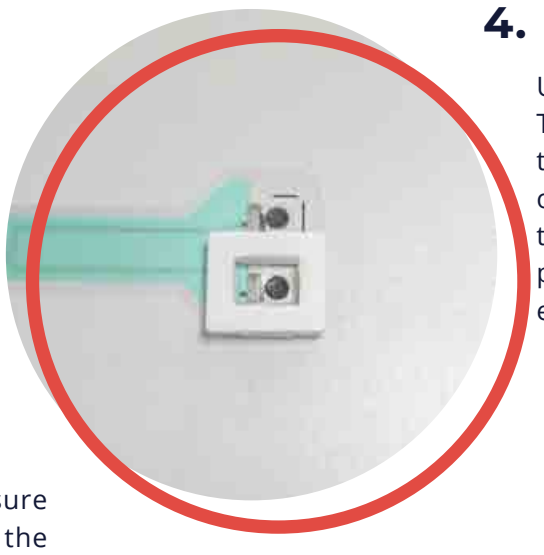
2. DETACHING THE SENSOR

Use tweezers to remove the sensor from the liner. Make sure that you hold both the cover foil and the base foil firmly. Make sure that you don't touch the sensitive area



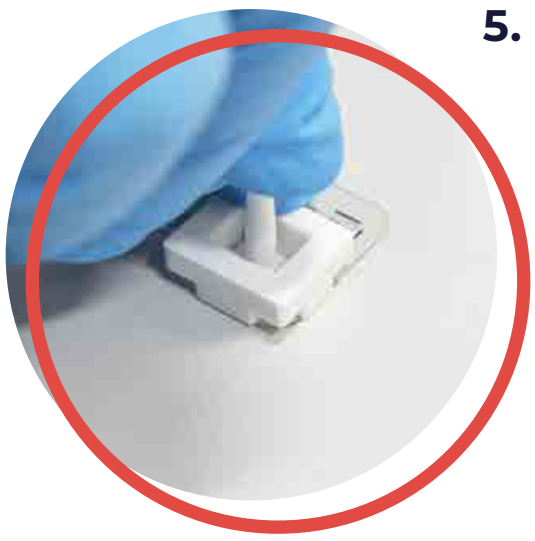
3. PLACING ON THE APPLICATION

Place the SMD foil sensor on the conductor pad. Make sure that the silver e-tape has a connection to it.



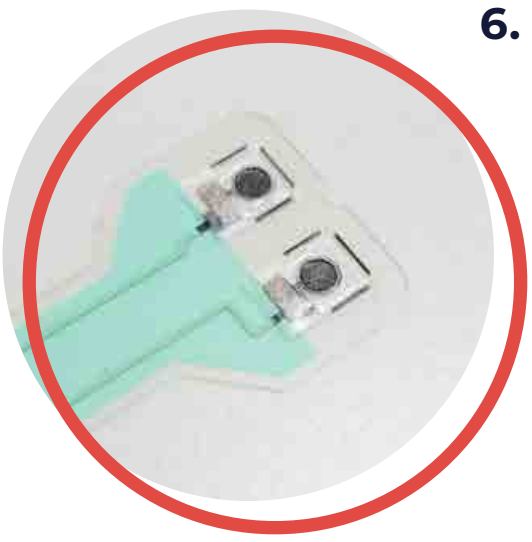
4. PLACE STAMP GUIDE

Use our stamp to press on the sensor. This ensures an ideal connection to the conductor path and transmission of the signal. Use the stamp guide so that the stamp presses in the right places. You will feel the stamp guide engage lightly on the sensor



5. PRESSING ON THE SENSOR

Now use the plunger to apply pressure to the sensor. Make sure that the stamp presses correctly on the sensor. The nose of the stamp must point towards you.



6. READY TO USE

The sensor is now placed on your conductor track and ready for the measurement.