

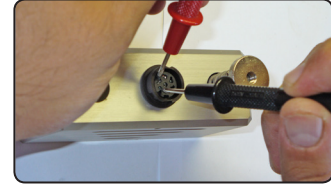
Replacement of protecting foil

Magnet mount strain sensors / QE1008(-W)



IMPORTANT: Before starting, check the resistance at the sensors connector

- The resistance must be $350\Omega (\pm 5)$, if no: send the entire sensor to the factory for repair.
- QE1008-W (wireless): The incorporated electronics checks the strain gauge every time you switch it on.

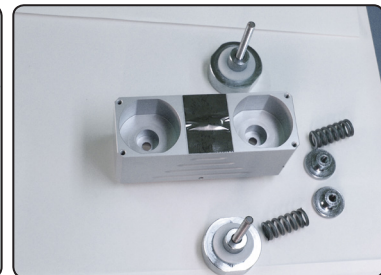


1. Material needed:

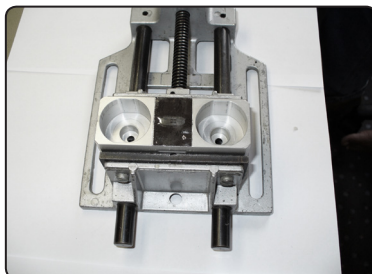
- Foil repair kit
- Acetone
- Tweezers
- sharp knives
- Towel (Paper)



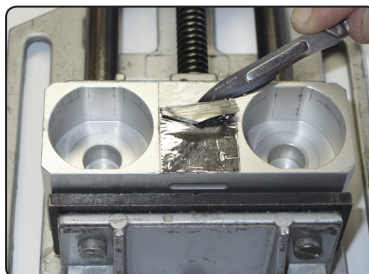
2. Remove the magnets



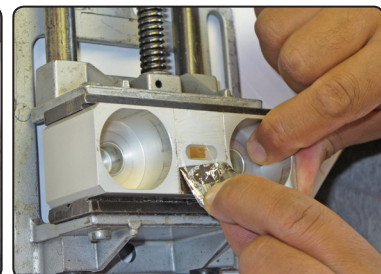
3. Magnets, springs and nuts are now disassembled. Keep them for reassembly.



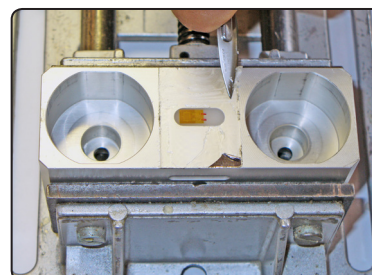
4. Clamp the sensor housing with an appropriate, stable tool. The environment should be clean!



5. Start peeling off the stainless steel foil with the knife. Start at one corner.



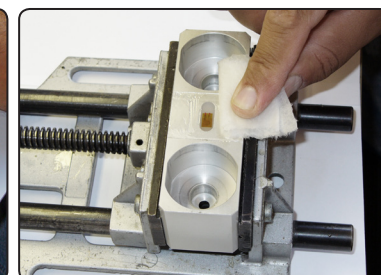
6. Peel off the stainless steel foil completely → you can now see the strain gauge → check any possible damage at the gauge.



7. Rasp away the remaining sticker-glue with a sharp knife. Caution: do not damage the strain gauge.



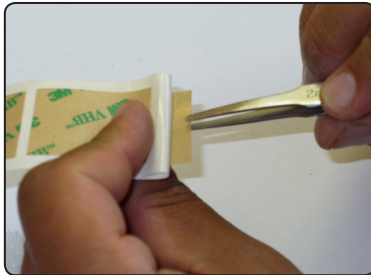
8. Clean the surface with acetone and the paper towel.



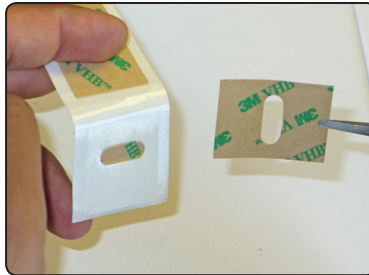
9. The surface is now clean → free of any glue-tape.

Replacement of protecting foil

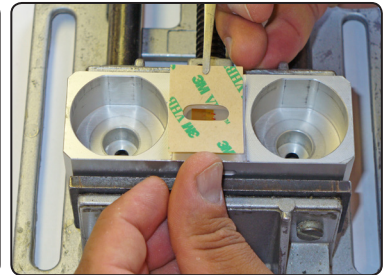
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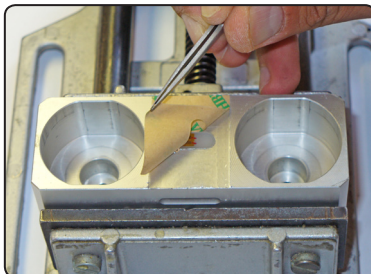
10. Take the double-sided glue-tape and prepare tweezers.



11. Peel off on one side the non-sticky brown paper.
→ Do not touch the now appearing glue tape.

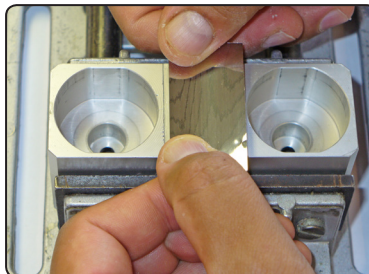


12. **Work now very precise:**
Attach the glue-tape with the rubber down along the small groove
→ it should match!

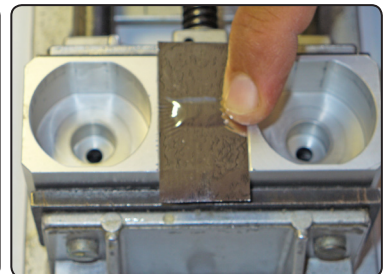


13.1 Press on the glue tape strong.

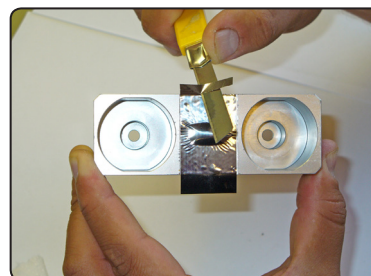
13.2 Now you can peel off the brown paper.



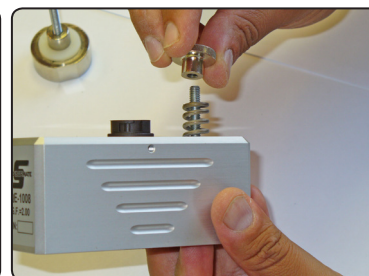
14. Take the stainless steel foil. Put it carefully starting on the left side. Slide with your thumb until the middle.



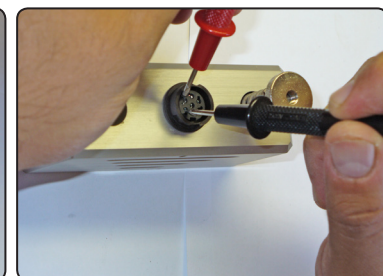
15. Then slide diagonally up and down over the DMS. Finally smooth out the rest.



16. With the sharp knife, cut now off the excessive steel foil right along the edge on both sides. Be careful not to cut into your fingers.



17. Congratulation!
You can now reassemble the sensor:
First the magnet with plastic-ring, then spring and nut.



18. **LAST STEP:**
Check the strain gauge resistance at the connector: if within $350\Omega (\pm 5)$ → OK!
Test and compare the sensor with an intact sensor. → OK!
The sensor is now operational.