



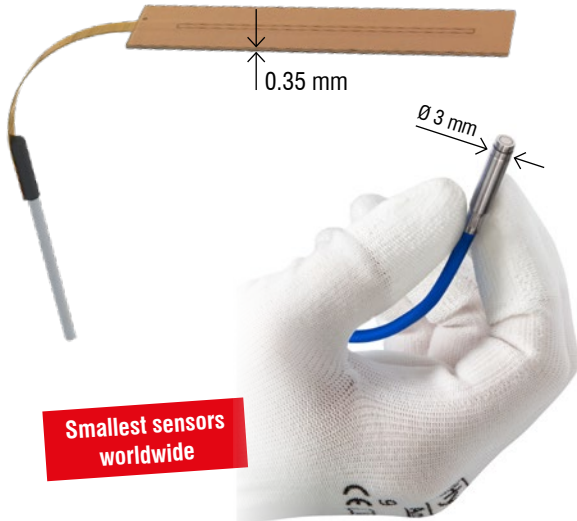
More Precision

capaNCDT // Capacitive sensors for displacement, distance & gap



✔ Miniature sensor sizes

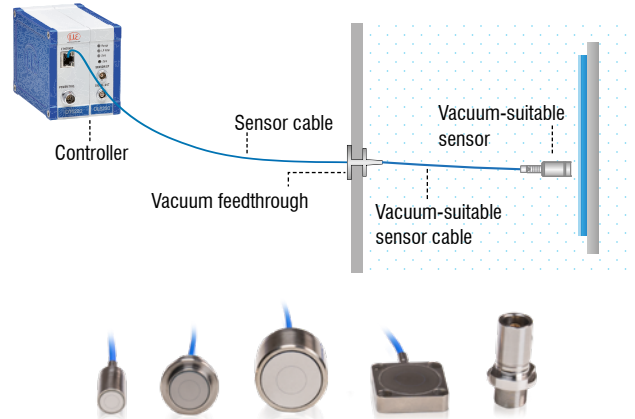
Takes up very little space at the measuring point



- No offset, measuring range starts directly at the sensor
- Integration in confined installation spaces with minimum effort
- Smallest diameters available with cylindrical sensors
- Extremely flat sensors available

✔ Applications in cleanroom and UHV

Passive and highly particle-free sensors

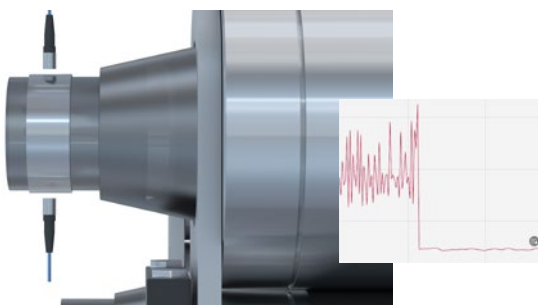


- No interactions between the sensor and the environment (e.g., force or heat transfer)
- Particle-free sensors and clean-room cables
- Special sensor design prevents virtual leaks
- Low-outgassing sensors (residual-gas analysis)
- Large selection of vacuum-compatible sensors, cables and feedthroughs

Get in touch with us so we can help you define the right components for your vacuum class.

✔ Measurement on moving parts

Virtual grounding of the measuring object



Capacitive multi-channel controllers with channel synchronization

- Stable and noise-free measurement results even on moving objects
- Enables electron dissipation, resulting in a smooth measurement signal

Resolution in the micrometer range

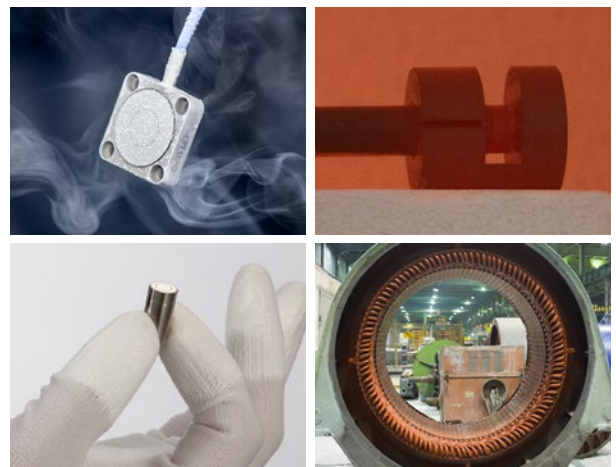
- Grounding of measuring object and controller recommended
- Or virtual grounding with multi-channel controllers

Resolution in the sub-micrometer range

- Grounding is absolutely necessary

✔ Built for durability in any environment

Highest signal stability in large temperature ranges



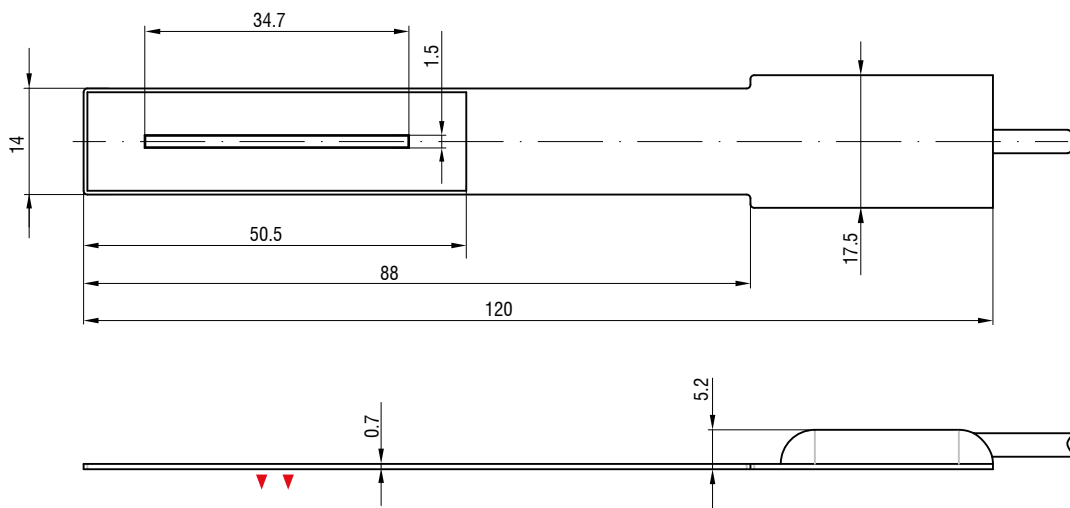
- Vacuum and cleanroom applications
- Excellent temperature stability of 5 ppm
- Use at very high and low temperatures from -270 to +800 °C
- Use in strong magnetic fields and high pressure

Dimensions

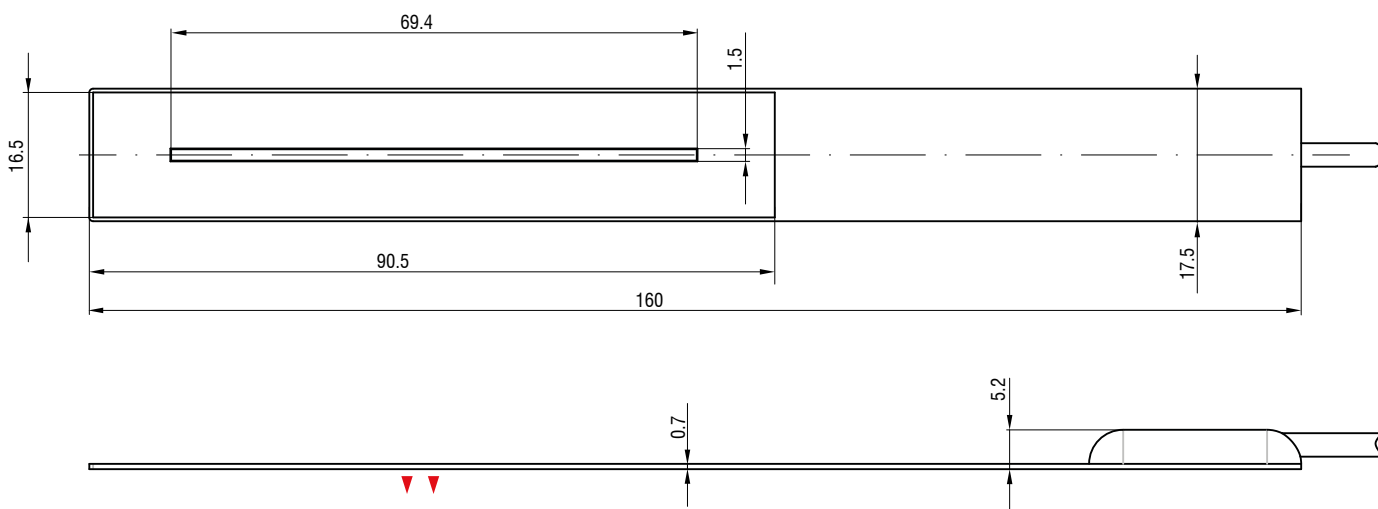
capa^{NC}DT CSF

Flat sensors with integrated sensor cable

CSF2-CRg4.0



CSF4-CRg4.0



CSF6-CRg4.0

