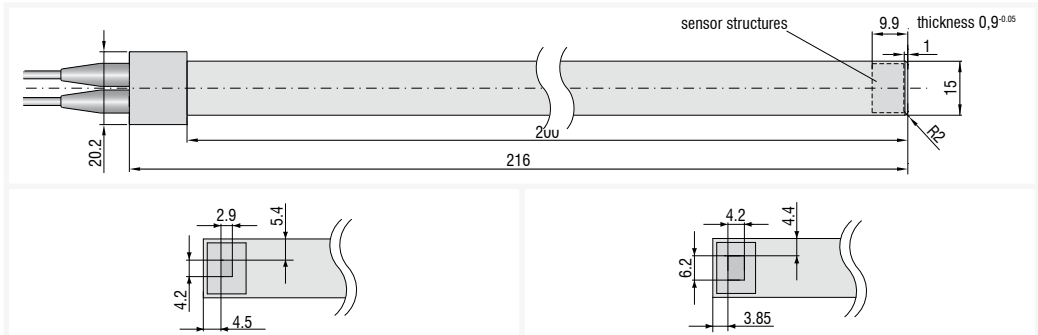




More Precision

capa**N**CDT // Capacitive displacement sensors and systems





| Sensor type | | CSG0,50-CAm2,0 | CSG1,00-CAm2,0 |
|------------------------------|------------------|-------------------|-------------------|
| Article No. | | 6610112 | 6610111 |
| Measuring range | Standard | 0.5 mm | 1 mm |
| Gap width ¹⁾ | | 0.9 ... 1.9 mm | 0.9 ... 2.9 mm |
| Linearity ²⁾ | | ≤ ±0.5 μm | ≤ ±1 μm |
| Resolution ^{2),3)} | static 2 Hz | 4 nm | 8 nm |
| | dynamic 8.5 kHz | 90 nm | 180 nm |
| Temperature stability | Zero | -50 nm/K | -50 nm/K |
| | Sensitivity | -20 nm/K | -40 nm/K |
| Temperature range | Operation | -50 ... +100 °C | -50 ... +100 °C |
| | Storage | -50 ... +100 °C | -50 ... +100 °C |
| Humidity ³⁾ | | 0 ... 95 % | 0 ... 95 % |
| Dimensions (without housing) | | 200 x 15 x 0.9 mm | 200 x 15 x 0.9 mm |
| Active measuring area | | 3 x 4.3 mm | 4.2 x 5.1 mm |
| Guard ring width | | 2.7 mm | 2.2 mm |
| Minimum target diameter | | approx. 7 x 8 mm | approx. 8 x 9 mm |
| Weight | | 77 g | 77 g |
| Material | Housing | 1.4301 | 1.4301 |
| | Sensor | FR4 | FR4 |
| Connection | Cable integrated | 2 m | 2 m |

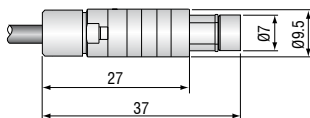
¹⁾ Sensor width + measuring range on both sides

²⁾ RMS value of the signal noise

³⁾ Valid with controller DT6530

⁴⁾ Non condensing

Connector type B



Sensors and Systems from Micro-Epsilon



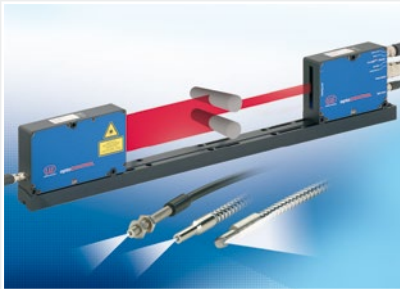
Sensors and systems for displacement, distance and position



Sensors and measurement devices for non-contact temperature measurement



Measuring and inspection systems for metal strips, plastics and rubber



Optical micrometers and fiber optics, measuring and test amplifiers



Color recognition sensors, LED analyzers and inline color spectrometers



3D measurement technology for dimensional testing and surface inspection