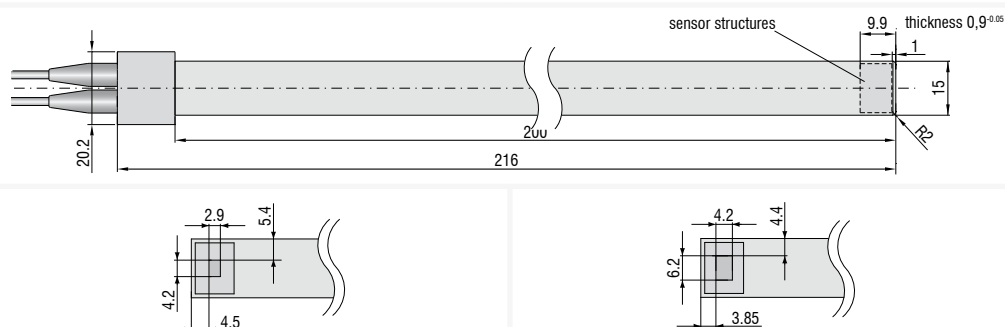




More Precision

capaNCDT // 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⁾	$\leq \pm 0.5 \mu\text{m}$	$\leq \pm 1 \mu\text{m}$
Resolution ^{2), 3)}	static 2 Hz 4 nm dynamic 8.5 kHz 90 nm	8 nm 180 nm
Temperature stability	Zero -50 nm/K Sensitivity -20 nm/K	-50 nm/K -40 nm/K
Temperature range	Operation -50 ... +100 °C Storage -50 ... +100 °C	-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 Sensor FR4	1.4301 FR4
Connection	Cable integrated 2 m	2 m

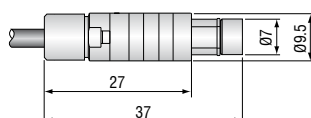
¹⁾ Sensor width + measuring range on both sides

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