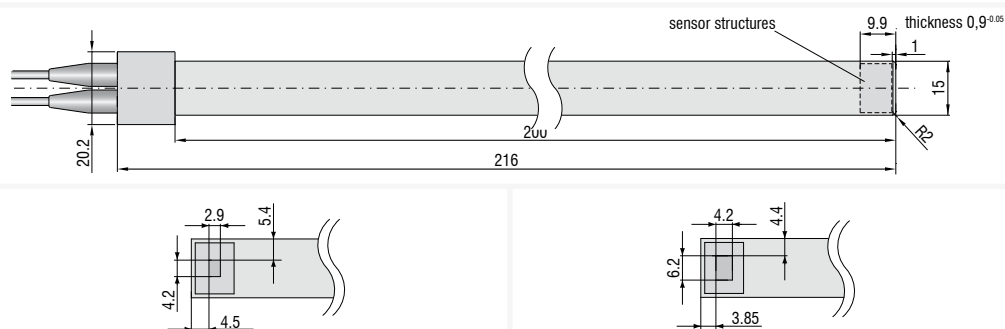




More Precision

capa^{NC}DT // 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	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

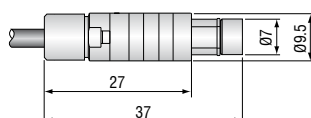
¹⁾ Sensor width + measuring range on both sides

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