

Sensor type		CS3	CSE3	CS5	CS10
Article No.		6610055	6610170	6610056	6610057
Measuring range	reduced	1.5 mm	1.5 mm	2.5 mm	5 mm
	nominal	3 mm	3 mm	5 mm	10 mm
	extended	6 mm	6 mm	10 mm	20 mm
Linearity ¹⁾		$\leq \pm 0.9 \mu\text{m}$	$\leq \pm 3 \mu\text{m}$	$\leq \pm 2.5 \mu\text{m}$	$\leq \pm 15 \mu\text{m}$
		$\leq \pm 0.03 \% \text{ FSO}$	$\leq \pm 0.1 \% \text{ FSO}$	$\leq \pm 0.05 \% \text{ FSO}$	$\leq \pm 0.15 \% \text{ FSO}$
Resolution ^{1) 2)}	static 2 Hz	2.25 nm	2.25 nm	3.75 nm	7.5 nm
	dynamic 8.5 kHz	60 nm	60 nm	100 nm	200 nm
Temperature stability	Zero ⁵⁾	-170 nm/K	-95 nm/K	-170 nm/K	-170 nm/K
	Sensitivity	-96 nm/K	-85 nm/K	-160 nm/K	-320 nm/K
Temperature range	Operation	-50 ... +200 °C	-50 ... +200 °C	-50 ... +200 °C	-50 ... +200 °C
	Storage	-50 ... +200 °C	-50 ... +200 °C	-50 ... +200 °C	-50 ... +200 °C
Humidity ³⁾		0 % ... 95 % r.H.	0 % ... 95 % r.H.	0 % ... 95 % r.H.	0 % ... 95 % r.H.
Dimensions		Ø30 × 24 mm	Ø20 × 24 mm	Ø40 × 24 mm	Ø60 × 24 mm
Active measuring area		Ø9.8 mm	Ø10 mm	Ø12.6 mm	Ø17.8 mm
Guard ring width		8 mm	4.6 mm	11.6 mm	19 mm
Minimum target diameter		Ø27 mm	Ø20 mm	Ø37 mm	Ø57 mm
Weight		70 g	50 g	95 g	180 g
Material	Housing	1.4404 (non-magn.)	1.4404 (non-magn.)	1.4404 ⁴⁾ (non-magn.)	1.4404 ⁴⁾ (non-magn.)
Connection		type B	type B	type B	type B
Mounting		clamping	clamping	clamping	clamping

FSO = Full Scale Output

¹⁾ Valid with reference controller, relates to standard measuring range

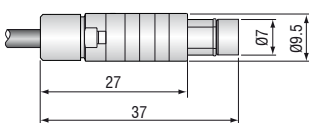
²⁾ RMS value of the signal noise

³⁾ Non condensing

⁴⁾ Titanium version available

⁵⁾ Sensor mounted in the mid of clamping area

Connector type B



Connector type B/90

