



Sensor type		CSH1,2FL-CRm1,4	CSH2FL-CRm1,4	CSH3FL-CRm1,4
Article No.		6610077	6610094	6610140
Measuring range	reduced	0.6 mm	1 mm	1.5 mm
	nominal	1.2 mm	2 mm	3 mm
	extended	2.4 mm	4 mm	6 mm
Linearity ¹⁾		0.84 μ m	0.32 μ m	$\leq \pm 0.9 \mu$ m
		0.07 % FSO	0.016 % FSO	$\leq \pm 0.03$ % FSO
Resolution ^{1) 2)}	static 2 Hz	0.9 nm	1.5 nm	2.25 nm
	dynamic 8.5 kHz	24 nm	40 nm	60 nm
Temperature stability	Zero ⁵⁾	-37.6 or 2.4 nm/ $^{\circ}$ C	-47 or 4 nm/K	-50 nm/K
	Sensitivity	-14.4 nm/K	-24 nm/K	-40 nm/K
Temperature range	Operation	-50...+200 $^{\circ}$ C	-50...+200 $^{\circ}$ C	-50...+200 $^{\circ}$ C
	Storage	-50...+200 $^{\circ}$ C	-50...+200 $^{\circ}$ C	-50...+200 $^{\circ}$ C
Humidity ³⁾		0 ... 95 % r.H.	0 ... 95 % r.H.	0 ... 95 % r.H.
Dimensions ⁴⁾		17 \times 12 \times 4 mm	20 \times 20 \times 5 mm	25 \times 25 \times 5 mm
Active measuring area		\varnothing 6.3 mm	\varnothing 8.1 mm	\varnothing 10 mm
Guard ring width		2.1 mm	4.4 mm	7.8 mm
Minimum target diameter		\varnothing 11 mm	\varnothing 17 mm	\varnothing 24 mm
Weight (incl. cable and connector)		30 g	36 g	37 g
Material	Housing	1.4104 (magn.)	1.4104 (magn.)	1.4104 (magn.)
Connection	Cable integrated	\varnothing 2.1 mm \times 1.4 m radial	\varnothing 2.1 mm \times 1.4 m radial	\varnothing 2.1 mm \times 1.4 m radial
Mounting		2x screw M2 DIN 84A	4x screw M2 DIN 84A	4x screw M2 DIN 84A

FSO = Full Scale Output CSH Sensors are matched to controller with standard cable length

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

²⁾ RMS value of the signal noise

³⁾ Non condensing

⁴⁾ Without cable, bend protection and crimp

⁵⁾ In the case of a sensor mounting on the top or underside