

Produkt	nSens-HT-CSS sensor			novasina The Art of Precision Measurement
Dokument	Datasheet			Novasina AG CH-8853 Lachen
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nSens-HT-CSS (capacitive humidity)

nSens-HT-CSP (capacitive humidity with protection filter)

Digital humidity / temperature sensor based on capacitive measurement technology.

Communication based on nSens-Bustechnology. Sensor can quickly be exchanged to another nSens and is compatible with all nSens components (cables, transmitters, handhelds etc)

Art. No. 260 1582 (nSens-HT-CSS)
nCap-E Protection cap without filter

Art. No. 260 1659 (nSens-HT-CSP)
nCap-P Protection cap with filter



Technical data

Description	nSens-HT-CS*		
	Capacitive humidity and temperature measurement for comfort climate.		
Measuring range	Humidity	Ideal 20 ... 80% rF (1-99% rF)	
	Temperature	-20 ... +80°C	
Accuracy incl. reproducibility and hystereses	Humidity	15 ... 30°C / 20-80%rF 0 ... 50°C / 20-80%rF	typical +/- 2.0% rF typical +/- 3.0% rF
	Temperatur	0 ... +65°C -20 ... +80°C	typical +/- 0.3K typical +/- 0.5K
Drift	Humidity	typical 3%/Jahr	
Calibration Points	Humidity	13 points complete measuring range	
	Temperature	2 points complete measuring range	
Communication	digital (nBus Bussystem)		
Housing material	PVDF black		
Mechanical protection	260 1582 CSS: nCap-E PVDF Protection cap without filter 260 1659 CSP: nCap-P PVDF Protection cap with filter		
Operating temperature	-20 bis +80°C		
Storing temperature	-10 bis +60° C (non condensing)		

