

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

Digital humidity / temperature sensor based on capacitive measurement technology. Ideal for comfort climate application.

Sensor can be exchanged quickly to another nSens and is compatible with all nSens components (cables, transmitters, handhelds etc)

Art. No. 260 1659 (nSens-HT-CSP)

nCap-P Protection cap with filter



Technical data

Description	nSens-HT-CSP Capacitive humidity and temperature measurement for comfort climate.		
Measuring range	Humidity	Ideal 20 ... 80% rH (1-99% rH)	
	Temperature	-20 ... +80°C	
Accuracy incl. reproducibility and hystereses	Humidity	15 ... 30°C / 20-80%rH 0 ... 50°C / 20-80%rH -20 ... +80°C / 1-99% rH	typical +/- 1.5% rH typical +/- 2.5% rH typical +/- 4.0% rH
	Temperature	0 ... +65°C -20 ... +80°C	typical +/- 0.3K typical +/- 0.5K
Drift	Humidity	typical 2%/ year	
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 1659 CSP: nCap-P PVDF Protection cap with filter		
Operating temperature	-30 to +85°C		
Storing temperature	+5 to +60° C (non condensing)		

