

Electrolytic high precision humidity measurement for installation in cleanrooms, climate chambers, storage etc

Digital humidity / temperature sensor based on electrolytic-resistive measurement technology. With NTC temperature sensor.

Ideal for all applications that requires high precision, fast response time and long term stability. Ideal also for high humidity environment and elevated temperatures.

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. Nr. 2601803 (nSens-HT-EIS)



Technical data

Description	nSens-HT-EIS Electrolytic humidity and NTC temperature measurement		
Measuring range	Humidity	0 ... 100% rH	
	Temperature	-20 ... +80°C	
Accuracy incl. reproducibility and hystereses	Humidity*	15 ... 30°C	typical +/- 0.4% rH
		0 ... 50°C	typical +/- 0.8% rH
		-20 ... 80°C	typical +/- 1.2% rH
	Temperature	0 ... +65°C	typical +/- 0.1K
		-20 ... +80°C	typical +/- 0.2K
Drift	Humidity	typical <1%/ 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	nCap-PS Polyethylen Silberoxid Filter		
Operating temperature	-20 to +80°C		
Storing temperature	-0 to +60° C (non condensing)		
Chemical durability	Sensor and housing durable against H2O2, NH3 up to 1%.		

* The humidity accuracy refers to the nominal values of Novasina humidity standards, which refer to the Greenspan Report.

Dimension

