



Article number 8130.TFF

Temperature & Humidity sensor with highest precision for reference measurements

IMPORTANT: Temperature & Humidity sensor for reference measurements is discontinued

General	
Housing material	PVDF black
Mechanical sensor protection	Standard polyethylene dust filter
sensor	
Operating temperature	-2080°C
Storage temperature	-1060°C (non-condensing)

Air temperature		
Principle	NTC	
Measuring range	-20 80 °C	
Unit	°C	
Accuracy	0 +70 °C: ±0.15 K;	
	-20 +80 °C: ±0.25 K	

Relative humidity	
Principle	Resistive-electrolytic
Measuring range	0 100 %
Unit	%









Technical Data





Measurement accuracy incl.	+15 +30 °C typical ±0.8% rH;
reproducibility and hysteresis	0 +50 °C: typical ±1.0% rH;
	-20 +80 °C: typical ±2.5% rH
	additional uncertainty of the reference system of 0.2 0.8%
Number of calibration points	Humidity: 13 points over full measurement range Temperature: 2
	points over full measurement range









