

Technical Data

Temperature & Humidity sensor for reference measurements - discontinued



- 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 sensor	Standard polyethylene dust filter
Operating temperature	-20...80°C
Storage temperature	-10...60°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	%

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Measurement accuracy incl. reproducibility and hysteresis	+15 ... +30 °C typical $\pm 0.8\%$ rH; 0 ... +50 °C: typical $\pm 1.0\%$ rH; -20 ... +80 °C: typical $\pm 2.5\%$ 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