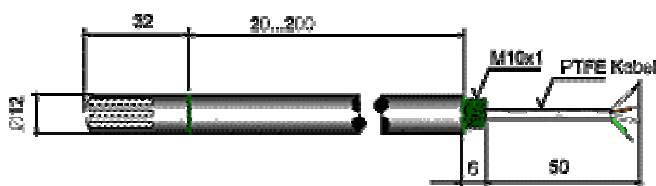
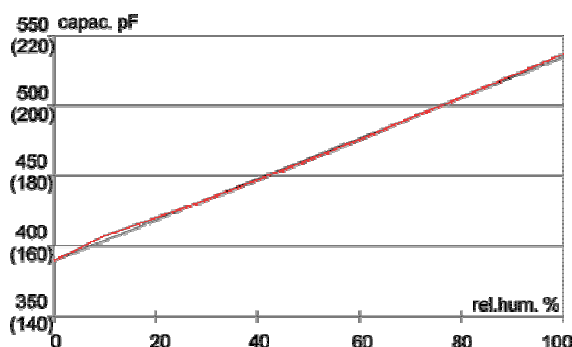


Manufacturer Certificate

We certificate with this document, that our product

OPEN SHIELD RELATIVE HUMIDITY OPEN SHIELD TEMPERATURE (Art. M7200)

Fulfills all of the following technical specifications. Additionally the product fulfils all standards which are applicable within the EC area (CE Conformity) and WMO standards.



PARAMETERS	
Temperature sensor:	SMT 160-30
Supply voltage:	4.57 - 7 V
Supply current max.:	200 µA
	Short circuit protection infinite (within supply voltage range)
Short circuit supply current max.:	40 mA
Operating temp. range:	-50 to +99 C
Accuracy min.:	0.3 C (-50 to +60 C)
Calibration error max.:	0.25 C (23 C)
Nonlinearity error max.:	0.2 C
Supply voltage sensitivity max.:	0.1 C/V
Repeatability max.:	0.2 C
Long term drift max.:	0.1 C
Output frequency:	1 to 4 kHz
Duty cycle:	0.320 (0 C), 0.00470/ C
Resolution:	0,1°C
Humidity Sensor	HC1000
Range & Resolution:	0...100 % r.H. (fully wettable) – 1 %
Temperature range:	-50° +60°C
Accuracy:	1,5 % (30 - 90% rel. Hum.) 2 % (20 - 98% rel. Hum.)
Power supply:	5 VDC +/-5 %
Output frequency (digital):	48 - 62 kHz (not linear)
Evaluation:	FREQUENCY
Cable length:	3 m or 10 m