

Professional Line		8091
ID No.:	00.08091.000042 00.08091.000012	
Measuring range air temperature:	-30 ... + 70 ° C	
Measuring range rel. Humidity:	0 ... 100% r. F.	
Accuracy air temperature:	± 0.3 ° C (4 ... 20 mA); plus: ± 0.007 K / K (<10 ° C, > 40 ° C)	
Accuracy rel. Humidity:	± 2% r. F. (5 ... 95% r. F. at 10 ... 40 ° C); plus: <0.1% / K (<10 ° C, > 40 ° C)	
Response time:	<1 min	
Long term stability:	typically under normal conditions <1% r. F. / year	
Output:	00.08091.000042: 4 ... 20 mA 00.08091.000012: 0 ... 10 VDC	
Supply voltage:	00.08091.000042: 12 ... 30 VDC 00.08091.000012: 15 ... 30 VDC	
Power consumption:	max. 45 mA	
Measuring elements:	capacitive • Pt100 • IEC 751 class B	
Dimensions:	H 180 mm • Ø 20 mm	
Casing:	Aluminum • white-gray • lacquered	
Protection class:	IP 65 • Sensor protection membrane filter IP 30	
Weight:	0.34 kg	
Standards and norms:	CE / EMC: DIN 50082-2 • EN 55011 Class B	
Accessories (order separately):	00.08141.600000 Sensor shelter with natural ventilation 00.08141.600004 Sensor shelter with artificial ventilation 67.01002.056041 Cable: 4 x AWG 20 C UL sw	