

Professional Line	8093
ID No.:	00.08093.100000
Measuring range air temperature:	-30 ... + 70 ° C
Measuring range rel. Humidity:	0 ... 100% r. F.
Accuracy air temperature:	± 0.2 ° C at -27 ... + 70 ° C; Plus: ± 0.007 ° C at <+10 ° C and> +40 ° C
Accuracy rel. Humidity:	± 2% r. F. at 5 ... 95% r. F. • +10 ... + 40 ° C; Plus: <0.1% r. F. / ° C at <+ 10 ° C and> + 40 ° C
Response time:	Humidity <20 s (without wind and without filter, otherwise at 1.5 m / s: 1.5 min)
Long term stability:	typically under normal conditions <1% r. F. / year
Output:	0 ... 1 VDC = 0 ... 100% r. F. • Min. Load resistance ≥ 2.5 kΩ • Pt100 (4-wire circuit)
Supply voltage:	10 ... 30 VDC
Power consumption:	<1 mA
Measuring elements:	capacitive • Pt100 1/3 DIN • IEC 751 class B
Dimensions:	H 122 mm • Ø 20 mm
Casing:	Aluminum • white-gray • lacquered
Protection class:	IP 65 • Sensor protection membrane filter IP 30
Weight:	approx. 0.3 kg
Standards and norms:	CE / EMC: DIN 50082-2 • EN 55011 Class B
Included:	5 m cable
Accessories (order separately):	00.08141.600000 Sensor shelter with natural ventilation 00.08141.600004 Sensor shelter with artificial ventilation