

Professional Line	8092
ID No.:	00.08092.330402
Measuring range air temperature:	-40 ... + 85 ° C
Measuring range rel. Humidity:	0 ... 100% r. F.
Accuracy air temperature:	± 0.2 ° C at -27 ... + 70 ° C
Accuracy rel. Humidity:	± 1.5% r. F. at 10 ... 90% r. F. at 23 ° C <10% r. F. > 90% r. F. ± 2% r. F. Influence of temperature TK (not equal to 23 ° C): <0.02% r. F. / K
Response time:	Humidity: <10 s (without filter) • at 1.5 m / s wind: <1.5 min (with filter)
Long term stability:	typically under normal conditions <1% r. F. / year
Output:	Humidity: 0 ... 1 VDC = 0 ... 100% r. F. • Min. Load resistance ≥ 2.0 kΩ • Temperature: Pt100 (4-wire circuit)
Areas of application:	Humidity: 0 ... 100% r. F. • Temperature: -40 ... + 85 ° C
Supply voltage:	5 ... 30 VDC
Power consumption:	<3 mA
Measuring elements:	Humidity: capacitive • temperature: Pt100 1/3 DIN (DIN EN 60571) • IEC 751 class B (± 0.1 ° C)
Dimensions:	H 122 mm • Ø 20 mm
Casing:	Aluminum • painted • gray • membrane filter for outdoor use Ø 20 x 25 mm • M18 x 1
Protection class:	Housing: IP 65 • Sensor filter area: IP 30 • Measuring head: IP 54 • Plug: IP 67
Weight:	approx. 0.3 kg
EMC standards / electrical safety:	EN 61326-2-3
Accessories (order separately):	00.08141.600000 Sensor shelter with natural ventilation 00.08141.600004 Sensor shelter with artificial ventilation 32.08092.061050 Cable 5 m with cable socket Further accessories on request, e.g. B. Humidity standard