

Professional Line		8096
ID No.:	00.08096.230402 Standard version 00.08096.330402 Shock and vibration tested precision measuring device according to BV0230 / 0430 and BV0440 / 0240	
Measuring range air temperature:	-40 ... + 70 ° C	
Measuring range rel. Humidity:	0 ... 100% r. F.	
Accuracy air temperature:	± 0.1 ° C, 1/3 DIN IEC 751 class B	
Accuracy rel. Humidity:	± 2% r. F. at: 5 ... 95% r. F. • +10 ... + 40 ° C (at > 0.5 m / s) • Plus: <0.1% r. F. / ° C at: <+10 ° C • > +40 ° C	
Response time:	Humidity: <20 s (without wind and without filter, otherwise at 1.5 m / s: 1.5 min)	
Output:	Humidity: 0 ... 1 V DC = 0 ... 100% RH • Min. Load resistance ≥ 2 k Ohm Temperature: Pt100 (4-wire circuit)	
Areas of application:	0 ... 100% r. F. • -40 ... + 70 ° C	
Supply voltage:	6 ... 30 V DC	
Power consumption:	<1 mA	
Measuring elements:	Humidity: capacitive • temperature: Pt100 1/3 DIN (DIN EN 60571) • IEC 751 class B (± 0.1 ° C)	
Casing:	Stainless steel • IP 65 • Sensor filter range IP 40 • Sintered filter for outdoor use	
Weight:	approx. 0.3 kg	
Standards and norms:	EMC: DIN EN 60945 - chap. 9, 10	
Electric wire:	3.3 m permanently connected	
Accessories (order separately):	00.08141.600000 Sensor shelter with natural ventilation 00.08141.600004 Sensor shelter with artificial ventilation	