

Precipitation, Brightness, Temperature, Air humidity

Description	Order-No.	Technical Data				
Clima Sensor 2000		Wind	Precipitation	Brightness	Temperature	Air humidity
Clima Sensor 2000 WNHTF	4.9010.00.061	X	X	X	X	X
Clima Sensor 2000 WNH	4.9000.00.061	X	X	X		
Clima Sensor 2000 NHTF	4.9011.00.061		X	X	X	X
Clima Sensor 2000 NH	4.9001.00.061		X	X		
The Clima Sensor 2000 serves for the measurement of important environmental data. Depending on the type of task it is available as combined measuring instrument. The analogue outputs are configured as standard signals so that they can be used for the coupling on commercially available bus systems.		Wind		Measuring range	1 ... 40 m/s	
				Accuracy	± 0.5 m/s res. ± 5% of mr.	
				Electr. output	0 ... 10 V (= 0..40 m/s)	
				Load	> 10 kΩ	
		Precipitation		Measuring range	rain yes / no	
				Electr. output	0 V for rain, 10 V with dryness	
				Sensitivity	fine drizzle	
				Load	> 100 kW	
				Switch-on-delay	approx. 3 rain particles	
				Switch-off-delay	approx. 2 minutes	
		Brightness		Measuring range	0 ... 100 k Lux	
				Spectral range	700 ... 1050 nm	
				Accuracy	± 10 % of measuring value	
				Electr. output	3 x 0 ... 10 V, Eastern Southern and Western direction	
				Load	> 10 kΩ	
		Temperature		Measuring range	- 20 ... + 60 °C	
				Measuring element	Pt100 acc. to IEC 751 1/3 DIN class B	
				Accuracy	± 0.15 °C at 0 °C	
				Electr. output	0 ... 10 V	
				Load	> 10 kΩ	
		Air humidity		Measuring range	0 ... 100 % rel. humidity	
				Accuracy	± 3 % in the range 10 ... 90 % rel. F.	
				Electr. output	0 ... 10 V	
				Load	> 10 kΩ	
		General		Operating voltage	24 V AC ±15% 24 V DC ±25%	
				Current consumpt.	< 100 mA	
				Ambient temp.	- 40 °C... + 60 °C	
				Connecting cable	10 m ; LiYCY 12 x 0.14 mm ² , uv-resistant max. 100 m at a supply with nominal 24 V	
				Mounting	retaining clamp, stainless steel, for mast or wall	
				Weight	max. 1.5 kg	

