

## WIND SPEED AND DIRECTION SENSORS



**WS-P1**



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Measuring principle	Magnetical positioning encoder system (MPES)
Range of application	Temperatures -40...+70 °C heated * • wind speed max. gusts 100 m/s
Heating	18 W-heating • electronically controlled • The heating within the sensor head prevents blocking of the moving parts under most climatological conditions
Update rate:	4 Hz
Supply voltage	24 VDC (20...28 VDC) • max. 800 mA
Housing	Seawater-resistant Aluminium • special surface • black • IP 65 in upright position
Dimensions	See dimensioned drawings
Included in delivery	1 Sensor • 12 m cable • with plug connection • 4 pin • polarity protected

Parameters	Wind direction	Wind speed
Measuring elements	Wind vane • stably Alu • special surface	3-armed cup anemometer Alu • special surface
Measuring ranges	0...360°	0.3...75 m/s
Accuracy	± 1°	± 0.3 m/s ≤ 10 m/s; ± 1 % FS ...50 m/s
Resolution	< 1°	< 0.1 m/s
Starting value	< 0.3 m/s	< 0.3 m/s
Output	4...20 mA = 0...360°	4...20 mA = 0...75 m/s
Weight	0.4 kg	0.35 kg
Orderin Code	WD-P1-A	WS-P1-A