

WIND SPEED AND DIRECTION SENSORS



WS-P2



WD-P2

Measuring principle: Hall Sensor Array, non-contact
 Range of application: temperatures -40...+70 °C heated* · wind speed max. gusts 100 m/s · humidity 0...100 % r.h.
 Supply voltage: sensor 24 VDC (20...28 VDC) · 18 W-heating · max. 800 mA · The heating within the sensor head prevents blocking of the moving parts under most climatological conditions.
 Housing: seawater-resistant aluminium · IP 65 in upright position · M12 cable-plug connection · stainless steel nut and lock washer
 Dimensions: see dimensioned drawings
 Included in delivery: 1 Sensor · 12 m cable · with 4 pin M12 plug connector
 Connectable to: Data loggers, e. g. power supply units · user specific evaluation systems (not included in delivery)

Parameters	Wind direction	Wind speed
Measuring elements:	wind vane aluminium · special surface	3-armed cup aluminium · special surface
Measuring ranges:	0...360°	0.5...60 m/s
Accuracy:	± 2°	± 0,3 m/s ≤ 10 m/s; ± 0,5 m/s...60 m/s
Resolution:	< 1°	< 0.1 m/s
Starting value:	< 0.5 m/s	< 0.5 m/s
Output:	4...20 mA = 0...360° 4 Hz update rate	4...20 mA = 0...60 m/s 4 Hz update rate
	At the current output (4...20 mA) a load of max. 600 Ohm must not be exceeded.	
Weight:	0.4 kg	0.35 kg
Orderin Code	WD-P2	WS-P2