

WIND SPEED AND DIRECTION SENSORS



WS-E1



WD-E1

Wind sensors with analogue mA-output

Measuring principle	Hall Sensor Array, non-contact
Range of application	Temperatures -30...+70 °C heated * • wind speed 0...60 m/s
Heating	18 W-heating • electronically controlled • The heating within the sensor head prevents blocking of the moving parts under most climatological conditions.
Supply voltage	24 VDC (20...28 VDC) • max. 800 mA
Housing	Seawater-resistant Aluminium • anodized • IP 55 • shaft-Ø 32 mm • with black ring of plastics for Thermal isolation (when heated) • for mounting-bore Ø 30 mm at max. 10 mm material thickness
Dimensions	See dimensioned drawings
Included in delivery	1 sensor

Parameters	Wind direction	Wind speed
Measuring elements	Wind vane • stably fibre-reinforced plastics	3-armed cup anemometer fail-safe plastics
Measuring ranges	0...360°	0.7...50 m/s
Accuracy	± 2°	< ± 2 % FS
Resolution	2°	< 0.02 m/s
Starting value	< 0.7 m/s	< 0.7 m/s
Output	4...20 mA = 0...360° max. load 600 Ω	4...20 mA = 0...50 m/s max. load 600 Ω • compensated
Weight	0.35 kg	0.25 kg
Orderin Code	WD-E1-A	WS-E1-A