

Anemometer with pulse output

Ver 1.4

NAME	Anemometer	
PRODUCT	Cup Anemometer with heater	
REFERENCE STANDARD	IEC 61400-12-1	
OUTPUT	pulse	
Application	<ul style="list-style-type: none"> • Environmental Monitoring • PV trackers • Meteorology 	
Measured quantities	Wind speed	0 ÷ 50 m/s (0 ÷ 180 km/h)
	Internal temperature	no
Calibration	Individual comparison with working reference	
Output	2 pulses per revolution, equal to 1.4m/s. (← approximate; see calibration sheet)	
Precision	Wind speed	± 4.5%
	Internal temperature	--
Threshold	0,3 ÷ 0,5 m/s	
Supply	9 ÷ 28 Vdc protected against reverse polarity Power consumption < 10 mW without heater 2000 mW with heater	
IP code	IP65	
Operating humidity	0 ÷ 95% RH	
Case	Aluminum with 3 screws fixing for direct mounting on poles up to Ø 36mm	
Cable	Standard: 3 m, loose pins=3; Custom: up to 10 m in moderate disturbance areas	
Dimensions	<ul style="list-style-type: none"> • Rotor diameter : Ø 166mm • body diameter: Ø 44 ext., Ø36 int. mm • height: 223 mm 	
Weight	250 gr	
Option	Thermoregulator with anti-icing heater	

