

# Cup Anemometer first class



# **Description**

Rugged and very precise sensor for the measurement of the horizontal component of the wind speed.

Driven by the flow, the cups are set into rotation. A light barrier scans an optical disc in the interior of the sensor and provides a frequency linearly dependent on the wind speed.

The sensor meets the latest requirements of MEASNET and IEC for the assessment of wind resources and wind turbine power characterics.

# **Technical Data**

#### Sensor

Sensing element...Cup rotorTransducer...Optoelectronical transmitter<br/>with frequency outputOutput signal ...0..50 m/s = 0..1000 HzPulse level ...LO = < 0.5 VHI =  $V_{\text{Supply}}$  (max. 15 V)Resolution ...0.05 m wind runAccuracy... $0..15 \text{ m/s} \pm 0.3 \text{ m/s}$  $> 15 \text{ m/s} \pm 2\%$  of readingIEC 61400-121-CD classification ...The anemometer meets in flat terrain all aspects<br/>of the requirements for a Class 1 anemometer.Starting threshold ...0.3 m/s

#### Rotor

### **Power Supply**

## **Heating**

## Casing

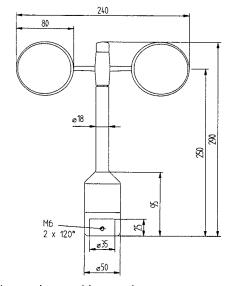
#### **Electrical connection**

#### Wiring

8 Pin Connector	6 Pin Connector	Wire	Function
3	2	white	(+) power supply
2	6	brown	ground
1	3	green	output signal
casing	casing	yellow/green and shield	cable shield

# **Environmental Conditions**

#### **Dimensions**





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Technical data may be subject to change without notice.

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