MeteoWind 2

Anemometer with wind vane. Exceeds WMO, MEASNET & Class 1 requirements or accuracy for meteorology & wind resource assessment. Very low 4mA power consumption with inrush protection offer an intrinsically safe solution for hazardous environments. Protected oversize bearings offer superb dirt and weather resistance that has been tested to provide long-term measurement stability & reliability in dirty & dusty environments.

Serviceable bearing & cups with high dirt resistance

- Serviceability of rotor bearing, anemometer cups and wind vane
- Special double-arm reinforced cup design with over-size bearings offer robustness.
- Highest level of 3 stage lightning, EMC, Surge & ESD protection
- Industry standard RS-485 output
- Simple & robust MODBUS RTU and ASCII communication protocol is user selectable
- Long-term tested dirt resistance in highly dusty environments with salt-spray
- All models feature a weather proof locking bayonet connector.

Elliptic cup design offers snow resistance and high accuracy per WMO & MEASNET standards

Dual arm reinforced cup design for all weather reliability

- WMO & MEASNET compliant wind speed and direction.
- 10Hz sampling rate to accurately capture wind gusts.
- Fast response and minimal over-speeding for accurate wind gust measurement.
- Robust two arm reinforced rotor cup design
- Special flat elliptical cups offer superb snow shedding with very good hail resistance
- Exceptional snow shedding and hail resistance due to an all-metal anodized-aluminum body with special fiber reinforced GRP and UV stabilized black dual-arm cup design

Heated anemometer with wind vane

25 Watts of heat for all weather reliability

- 25W built in dual heater distributes heat where it is needed most.
- Heater can be controlled manually from a data logger or automatically based on anemometer temperature only or based on anemometer temperature and wind speed.
- Safe operation from 5V up to a 24V DC power source.
- Heater output of can be controlled by input voltage
- 25W at 24V for high reliability all weather deicing
- 6W at 12V with user selectable automatic or manual control for AWOS/AWS weather stations
- Patented flat elliptic cups offer superb winter snow shedding even without heating.

For applications where WMO accuracy and reliability with lightning protection and all-weather resistance is important

UPGRADE TO INTRINSICALLY SAFE

mechanically strong, 4mA power consumption, inrush protection, triple level lightning, transient, surge, ESD protection.
**Compact design**

Combining of the anemometer and wind vane electronics allows this compact design to shine. Improved levels of reliability are made possible due to the reduction of electrical components. Compact size increases anemometer accuracy and reduces snow buildup for improved winter operations and more effective heater deicing.

Other customer related benefits from this combined wind sensor include:

- Reduction in the number of connectors & wiring for better weather & lightning resistance
- Reduction in mounting hardware and installation time
- Simpler & faster maintenance
- Simpler data logger configuration