# Ultrasonic Wind Sensor uSonic-2 Wind

previously USA-2



- Cost efficient sensor for precise measurement of horizontal wind
- No moving parts, no maintenance
- Measuring range up to 60 m/s
- Robust stainless steel construction
- Ice protection by efficient sensor heating
- Reliable long term operation
- Analogue data output
- Graphical user interface



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### **Typical Applications**

- Meteorological systems
- Routine observation of wind parameters
- Installation in severe site conditions
- Ice protection for mountain sites
- · Long term unattended operation
- Meteorological networks
- Research stations
- Industrial sites
- Airports
- Marine and offshore platforms
- Wind energy
- Sport events

User interface (GUI)

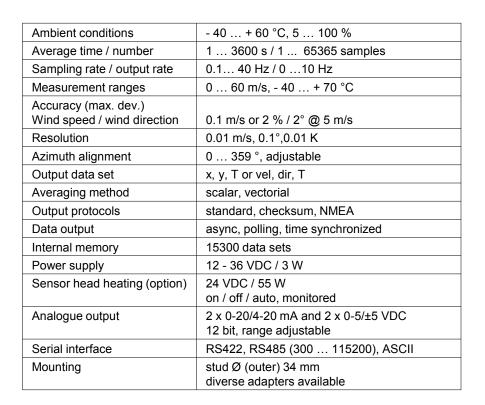


The Ultrasonic Anemometer **uSonic-2 Wind** is a 2D wind sensor for standard meteorological applications. It has proven reliable operation in all weather types, outstanding flexibility, high rated system performance and user friendly operation in widespread applications. It delivers raw or mean values of wind components x and y including acoustic temperature or horizontal wind speed and wind direction via serial interface RS422 /

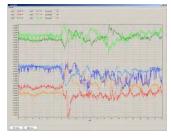
For reliable operation in adverse conditions icing can be prevented by an efficient sensor head heating. The operation of the heating is controlled an monitored by the sensor electronic.

RS485 or as analogue output for wind components x and y available.

The sensor head design had been optimized by comprehensive wind tunnel tests and which assures precise wind data for the hole measuring range.



# Graphic output



# Mechanical drawing

