

- AGRICULTURE
- AIRPORTS
- BUOY
- COASTAL

- HYDROLOGY
- INDUSTRIAL & PLC
- INTRINSICALLY SAFE
- MARINE

- METEOROLOGY
- OCEANOGRAPHY
- ROAD MANAGEMENT
- POLAR AND WINTER

- SHIPS
- SKI LIFT & SNOW MAKING
- SMART CITIES
- WEATHER STATIONS

## Temperature & Humidity



### HELIX: MeteoShield - Professional

Naturally aspired helical solar shield/screen. **Double-Helix shape eliminates temperature errors** from solar radiation more effectively than conventional multi-plate shields while offering unsurpassed **protection from the sun, dirt, rain, snow, sand dust**. Double-helix increases clean air flow and rejects dirt particles away from the sensor.

### MeteoShield - Standard

Optimized for applications where maximum sensor protection is required for **cost-sensitive** customers. Both are available in top & bottom mount versions. Request custom height to fit any sensor.



### MeteoTemp RH+T

**2-in-1** meteorological sensor probe with waterproof connector. **Temperature, Dew Point, Humidity and Frost Point**. Ultra-low  $\mu$ Amp power consumption **eliminates self heating** in Meteorological applications. Meets WMO requirements for accurate air temperature, humidity and long term stability.

### MeteoTemp RH+T with Pressure

**3-in-1** sensor probe. Pressure plus **Temperature, Humidity, Dew Point and Frost Point**. Same reliable construction and accuracy as **MeteoTemp RH+T** plus a highly reliable sealed barometric pressure sensor.

*Both sensors feature a locking bayonet connector and 5m cable with mating connector and wire leads. Calibration per request.*

### MeteoWind 1 & 2

Anemometer with wind vane. Proven high accuracy and reliability. Superb dirt resistance offers **long-term measurement stability**. Highest level of 3 stage lightning, EMC & surge protection with robust RS-485 / MODBUS RTU/ASCII output. Special flat elliptical cups offer superb snow shedding with very good hail resistance. High accuracy of MeteoWind 2 exceeds **MEASNET & Class 1 requirements** for the wind resource assessment.

### Heated MeteoWind 2

**25 Watt body heater** extends measurement to polar, marine and extreme winter climates.

**For wireless & AWS installations** running on 12V, a manageable 6W of user or self-regulated heating is controlled by wind speed and temperature. Permanent installations on 24V generate 25W of heat for **highly reliable deicing**. Patented flat elliptic cups offer superb winter snow shedding even without heating.

*All models feature a weather proof locking bayonet connector.*




## Wind Speed & Direction



#### Available sensor interfaces for all sensors:

Pulse/Frequency (square wave)	RS - 485
0 - 10 V	RS - 422
0 - 20 mA	RS - 232
4 - 20 mA	MODBUS ASCII/RTU

  
Weather stations & sensors

MeteoHelix  
  
Weather stations

EASY  
**MODBUS**  
VIEWER

 **BARANI**

**“Visually unique and of high quality,  
earning high scores in sensor  
comparison studies.”**

Reach your Gold Standard of measurement with BARANI sensors. ISO:9001 quality.

**BARANIDESIGN** is specialized in precise and reliable atmospheric measurement. Research & development focuses on achieving long-term stability of temperature, humidity and wind measurement. Sensors are designed for ease of use and interchangeability for on-site service. They are used in Meteorology & Climatology, Wind Energy, Aviation Systems, Road Weather Information Systems, Marine Systems, Hydrology, Solar Systems and Industrial Systems.

**DIFFERENTIATE YOURSELF FROM THE COMPETITION.**