



- **HELICAL SHIELD** is arguably the most significant innovation in air temperature measurement in decades.
- Sensors stay clean and accurate.
- Sensors can only measure the air conditions inside a radiation shield, therefore radiation shield

Temperature, Humidity, Pressure



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 forces dirt away from sensors. It protects sensors better from reflected solar radiation errors in winter than even fan-aspirated shields.

Free 12 month evaluation

Ask about our 12 month free evaluation of the MeteoShield Professional and other sensors. Available to SIRWEC attendees. Stop by our stand and take with you a MeteoShield Professional or ask about our worldwide shipping options.



MeteoTemp RH+T

2-in-1 meteorological sensor probe with waterproof connector. **Temperature, Dew Point, Humidity and Frost Point**. Ultra-low μ 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 2

Anemometer with wind vane. Proven high accuracy and reliability. Superb dirt resistance offers **long-term measurement stability**. Highest level of **3 stage lightning protection**, 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

18 Watt body heater extends measurement to polar, marine and extreme winter climates. **For wireless & AWS installations** running on 12V, a manageable 5W of user or self-regulated heating is controlled by wind speed and temperature. Permanent installations on 24V generate 18W of heat for **highly reliable deicing**. Patented flat elliptical cups offer superb winter snow shedding even without heating.

All models feature a 5m cable with a weather proof locking bayonet connector and wire leads. Calibration per request.



Wind Speed & Direction




Available sensor interfaces for wind sensors:

ANALOG	DIGITAL
Pulse/Frequency wind speed	RS-485 actual value, max & average
0 - 2.5 V wind direction	MODBUS ASCII/RTU protocol
5V...24V with 250 μA power consumption	5V...24V with 4.5mA power consumption





 **all METEO**
Weather stations & sensors

MeteoHelix

Weather stations

EASY
MODBUS
VIEWER

 **BARANI**

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

Reach your Gold Standard of measurement with BARANI DESIGN 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, on-site service and interchangeability. 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.

