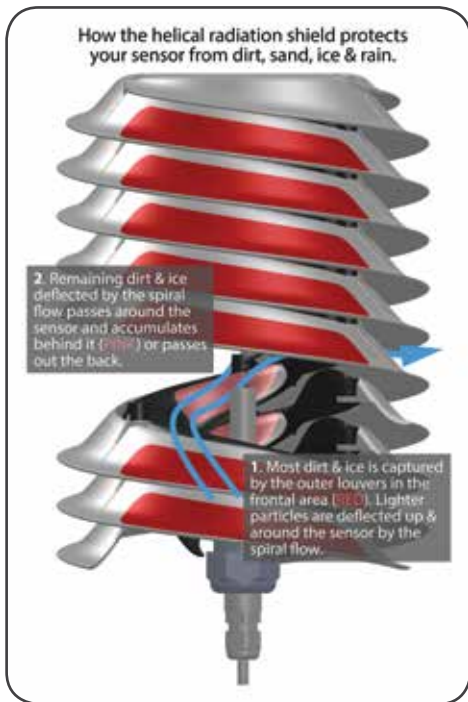




- AGRICULTURE
- AIRPORTS
- BUOY & MARINE
- COASTAL
- HYDROLOGY
- INDUSTRIAL & PLC
- INTRINSICALLY SAFE
- IOT
- METEOROLOGY
- OCEANOGRAPHY
- ROAD MANAGEMENT
- POLAR AND WINTER
- SHIPS
- SKI LIFT & SNOW MAKING
- SMART CITIES
- WEATHER STATIONS

Temperature & Humidity



MeteoShield - Professional

Naturally aspirated solar shield/screen. Its **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, while **keeping sensors cleaner** than traditional multi-plate and fan aspirated shields.

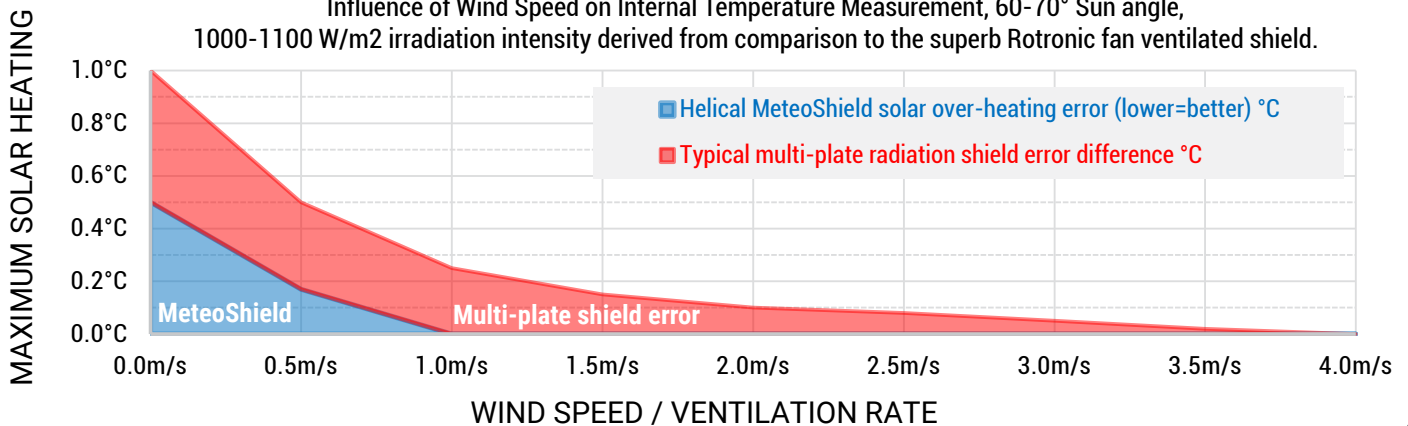
Especially well suited for harsh & extreme climates.

- **WMO compliant** temperature, humidity and dew point
- Fast response due to high ventilation rate even without fan-aspiration!
- Protection from water spray and sensor dirt buildup
- Highly accurate temperature & humidity measurement
- Exceptional water shedding and return to accuracy after rain
- Superb performance in high-reflectivity environments: snow, desert, city, marine...

Higher reliability with better temperature accuracy than many fan-aspirated shields in tough environments

Helical MeteoShield-Professional SOLAR RADIATION ERROR

Influence of Wind Speed on Internal Temperature Measurement, 60-70° Sun angle, 1000-1100 W/m² irradiation intensity derived from comparison to the superb Rotronic fan ventilated shield.



Unbeatable combination of reliability and accuracy for critical applications where absolute temperature accuracy is important

UPGRADE TO HELICAL RADIATION SHIELDS





Temperature & Humidity

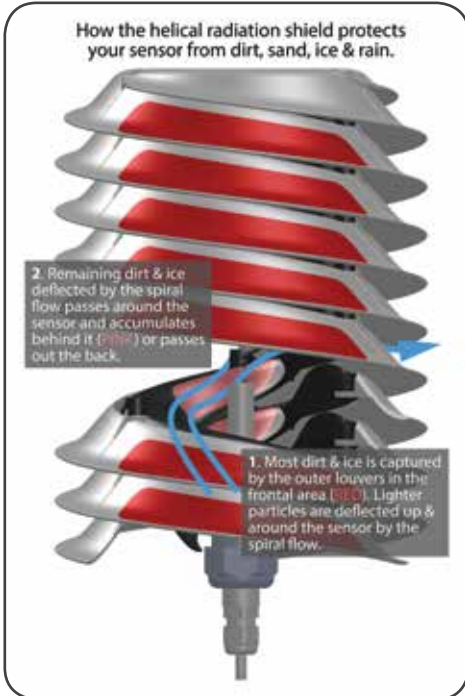


MeteoShield - Standard

Naturally aspirated helical solar shield/screen whose **helical shape reduces temperature errors** to lower levels than conventional multi-plate shields while offering **unsurpassed protection from dirt**, rain, snow, sand, dust, reflected radiation and the sun.

Helical shape efficiently rejects contamination away from the sensor while offering it clean air flow for superb measurement accuracy.

For double-helix protection, precision & robustness upgrade to **MeteoShield - Professional**.



Maximum sensor protection at a reduced cost

- Offering the highest available sensor protection from dirt
- Fast response and accuracy due to internal spiral flow of fresh air
- Ultimate protection for your sensor from water spray, ice, sand, dirt and dust
- Exceptional water shedding and return to accuracy after rain
- Measurement stability in high-reflectivity environments: snow, desert, city, water...
- Allows accurate temperature & humidity measurement to be affordable

Higher reliability with better long term temperature stability than traditional multi-plate radiation shields

Keeps your sensors cleaner

