MeteoShield - Professional

Naturally aspirated 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, while keeping sensors cleaner than traditional multi-plate and fan aspirated shields.

Temperature & Humidity

Especially well suited for harsh & extreme climates.

- WMO compliant temperature, humidity and dew point
- Fast response due to high ventilation rate even without a fan
- 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

Keeps your sensors cleaner

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

UPGRADE TO HELICAL RADIATION SHIELDS
MeteoShield offers practically zero temperature error in >1 m/s wind conditions, which occur over 99% of the time. (blue)

MeteoShield offers better temperature stability & accuracy than fan aspirated shields in high reflectivity environments such as over snow, ice, water, sand or concrete as illustrated by lower solar heating compared to the reference fan aspirated shield. (blue)

During daylight hours on a clear windless day with strong sun, MeteoShield offered less than 0.3°C average deviation from a highly regarded fan aspirated reference radiation shield with a maximum deviation of less than 0.5°C.
**MeteoShield - Professional**

**Bottom mount** (default)

- Sensor opening size sensor up to Ø20mm
- Custom adapter up to 26mm per request.

**Top mount** (special request)

- Universal mounting

**Universal radiation shield mount**

2.5mm white powder coated stainless steel

**Double-Helix Ventilation**

Helical radiation shield shape ventilates better than multi-plate radiation shields while maintaining better temperature sensor protection from dirt, sand, dust, rain, snow and ice, thus extending sensor life and long-term measurement stability.

It performs better than many fan-ventilated radiation shields in high reflectivity environments.

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

**Universal mounting of white powder coated stainless steel.**

3x M4 Lock Washer
3x M4 NUT (included)

**BARANI**

**Temperature and Humidity probe RH+T**

- Temperature
- Humidity
- Dew Point
- Pressure

**BARANI MeteoTemp**

- Temperature
- Humidity
- Dew Point
- Pressure

**Sensor probe up to Ø20mm**

Custom adapter up to 26mm per request.

Temperature and Humidity probe RH+T

**OR**

BARANI MeteoTemp

**Sensor probe up to Ø20mm**

Custom adapter up to 26mm per request.

Temperature and Humidity probe RH+T

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