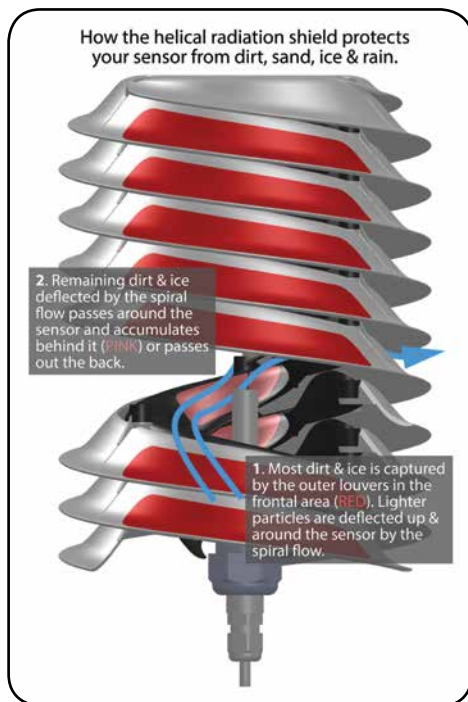




- AGRICULTURE
- AIRPORTS
- BUOY & MARINE
- COASTAL
- HYDROLOGY
- INDUSTRIAL & PLC
- INTRINSICALLY SAFE
- IOT
- METEOROLOGY
- OCEANOGRAPHY
- ROAD MANAGEMENT
- POLAR AND WINTER
- SHIPS
- SKI LIFT & SNOW MAKING
- SMART CITIES
- WEATHER STATIONS

## Temperature & Humidity



### MeteoShield - Professional

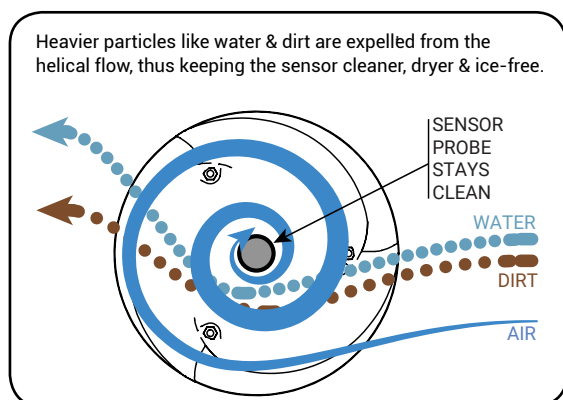
Naturally aspirated helical solar shield/screen. **Double-Helix shape eliminates temperature errors** from solar radiation more effectively than conventional multi-plate shields while offering unsurpassed **protection from the sun, dirt, rain, snow, sand & dust**. Double-helix increases clean air flow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

## 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



Helical MeteoShield



Minimal dirt buildup over one winter season in a road-side weather station.

Competitor Multi-Plate Radiation Shield

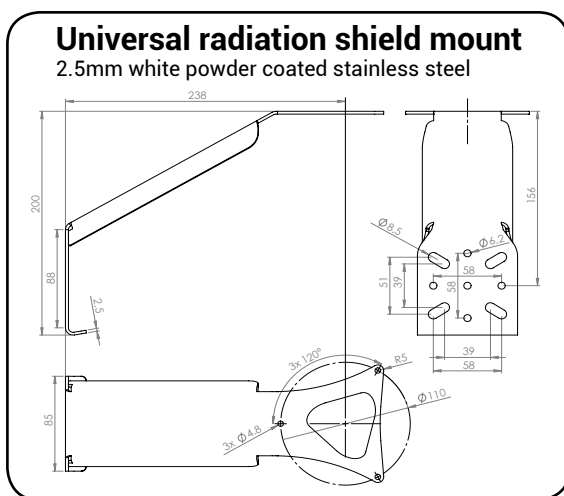
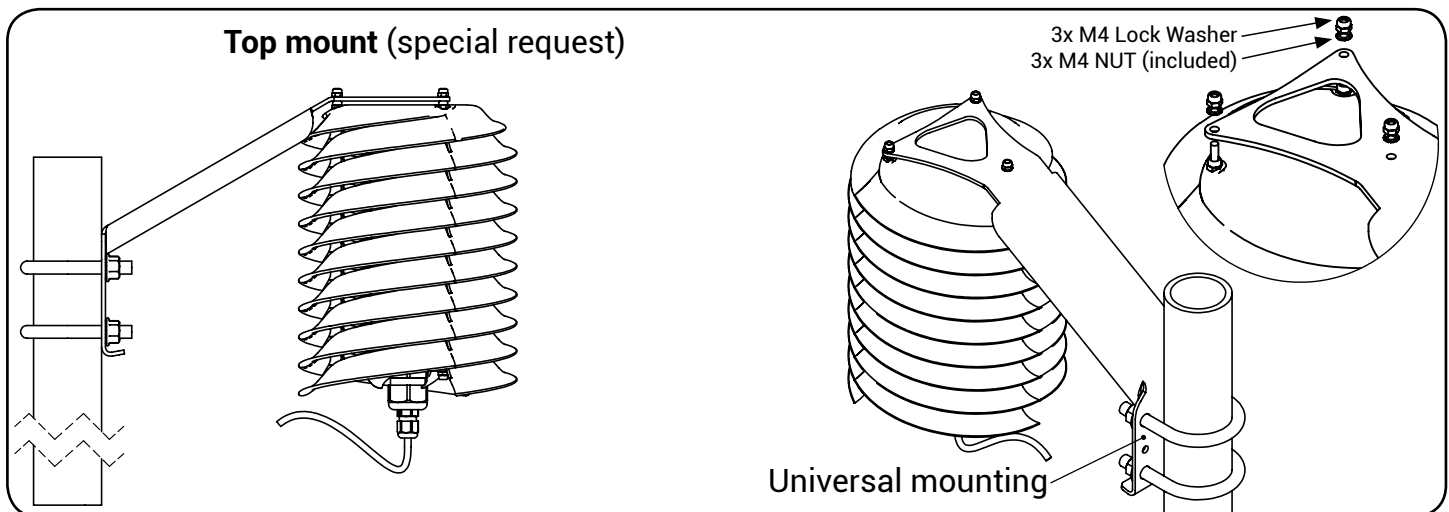
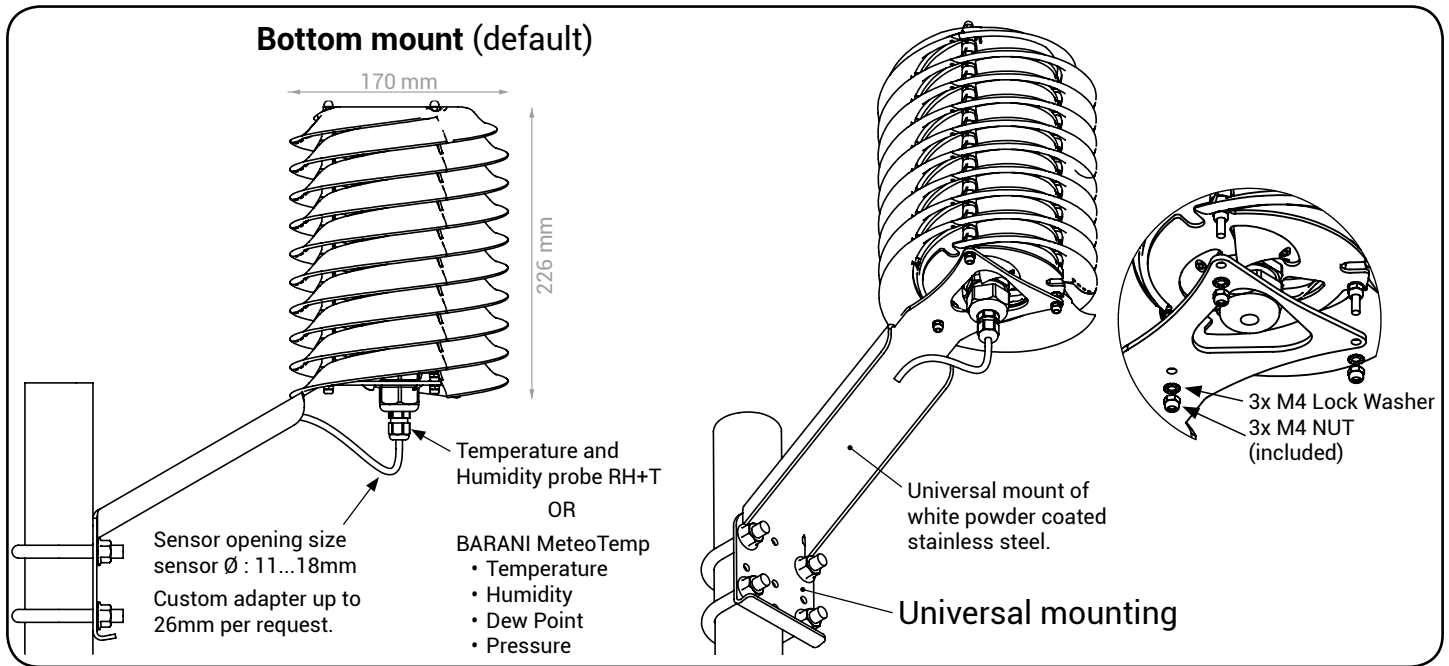


Significant dirt buildup common to all multi-plate solar radiation shields over the same time period.

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

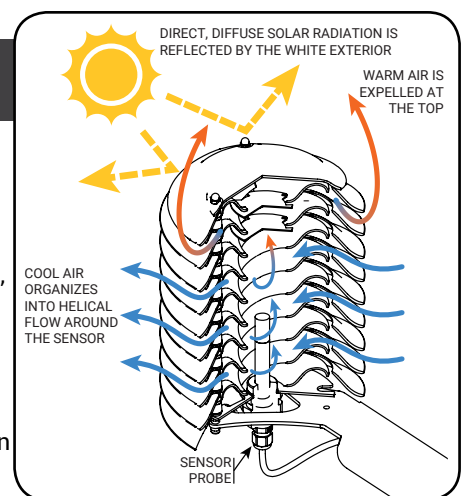
## UPGRADE TO HELICAL RADIATION SHIELDS





## 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.



