



- AIR QUALITY
- AGRICULTURE
- AIRPORTS
- BUOY
- CLIMATOLOGY
- HYDROLOGY
- INDUSTRIAL & PLC
- MARINE
- METEOROLOGY
- OCEANOGRAPHY
- ROAD MANAGEMENT
- POLAR AND WINTER
- SKI LIFT & SNOW MAKING
- SMART CITIES
- WEATHER STATIONS
- WILD FIRE MONITORING

Setup and forget micro-weather stations to WMO standards



MeteoHelix® IoT Pro

Easily recognizable by the helical design, these wireless micro-weather stations offer long-term measurement stability with NWS / NOAA / DWD precision. Installation ease with setup-and-forget operation makes them ideal for use in large networks, including farming and smart cities.

The patented double-Helix shape eliminates temperature errors while offering unsurpassed protection from the sun, dirt, rain, snow, and sand for reliable maintenance-free measurement in remote locations. Available in wireless Sigfox and LoRaWAN.

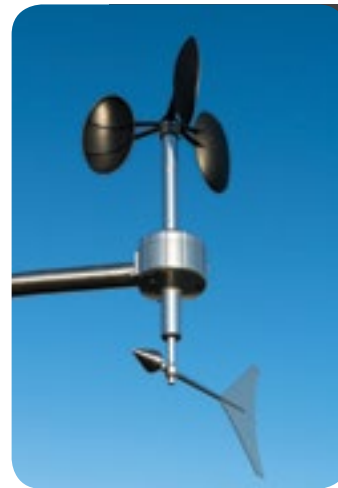
MeteoWind® IoT Pro

Wireless professional wind sensor with proven high accuracy and durability in winter and summer operations.

Offers high dirt resistance for reliable long-term measurement stability and patented elliptical cups that have shown superior snow shedding and high hail resistance in severe weather comparative studies with ultrasonic sensors.

In agricultural and smart-city applications, it benefits from long-term maintenance-free operation due to its high level of precision and linearity, to MEASNET & Class 1 wind resource assessment standards.

Available in wireless Sigfox and LoRaWAN.



Setup and forget wind sensors



Setup and forget wireless rain gauge

MeteoRain® IoT Compact

Features a low-profile self-cleaning funnel, dirt-resistant sieve, and self-balancing measuring mechanism with high resistance to soiling for repeatability of measurement and accuracy even in high rain rates. Records maximum rain rates and cumulative rain amount to ensure that every raindrop is counted, even without a wireless signal. Additionally, it offers excellent resistance to vibrations and non-level mounting.

Available in wireless Sigfox and LoRaWAN.



MeteoAG multi-sensor node

This wireless sensor node accepts multiple analog sensor inputs. Its compatible with most existing agricultural sensors from Meter and Irrrometer, which is a key to retaining data continuity in farming applications.

Simple to install and maintenance-free, it features 7 sensor inputs with up to 17 different sensor types in 3 groups for flexibility to measure in one location, with multiple sensor types, and at multiple depths.

Available in wireless Sigfox and LoRaWAN.





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

BARANIDESIGN specializes in precise and reliable atmospheric measurements. Easily recognizable by the innovative design of its weather stations, its research & development focuses on achieving long-term stability of measurement and ease of installation with a focus on temperature, humidity, wind, and rain measurement.

Its sensors and wireless weather stations feature setup-and-forget operation for remote locations, interchangeability, and simple field service. They are used in meteorology, hydrology, climatology, oceanography, aviation, road and rail weather systems, marine, solar, wind energy and industrial applications.

Reach your gold standard of measurement with BARANI DESIGN ISO:9001 quality.