

- AGRICULTURE
- AIRPORTS
- BUOY & SHIPS

- COASTAL & MARINE
- HYDROLOGY
- INDUSTRIAL & PLC

- METEOROLOGY
- OCEANOGRAPHY
- ROAD MANAGEMENT

- POLAR & WINTER
- SKI LIFT & SNOW MAKING
- SMART CITIES

## VFR Airport METAR



Measures	Accuracy
Wind Speed	± 0.2 m/s
Wind Direction	± 2°
Gust	± 0.2 m/s
Temperature	± 0.2 °C
Humidity	± 2 %RH
Barometric Pressure	± 2.5 hPa (21 m)
Expandability: 8 x analog, 4 x digital sensors, 8 x RS485/232 sensors	

## METARlog - weather station data logger

All-in-one METAR solution for private airports requiring VFR flight rules only. Wireless weather station with cellular GSM data output and direct METAR output to the ftp server or email of your choice. METAR is limited by the sensors of your choice.

**All-in-one starter solution features:** Wind speed, wind direction, gust wind speed, temperature, pressure, relative humidity, dew point, frost point, barometric pressure.

Our PowerGuard & PowerGuard+ power management and monitoring systems ensure uninterrupted operation on DC or solar power and include the highest rated triple lightning protection for EMC, Surge and ESD. Heated anemometer with wind vane is optional for winter operations. *Inquire about customizability for your airport.*

## EasyLogGSM - weather station data logger

Highly reliable and field proven **wireless GSM data logger**. Flexible and reliable continuous data logging verified over **years of use in a wide array of climates**. Delivers stable **long-term operation**. 8 analog inputs and 4 digital inputs together with RS232/RS485 & MODBUS for analog & smart sensors provide a flexible and reliable platform for your measurements. Retrieve data over email or FTP or from an internal SD memory card.



## Professional Weather Stations

## TARKA MOSS - portable field data logger

The product of proven experience and evolution. MOSS is a robust and **portable measurement solution** for your monitoring and surveying needs. Many different sensors can be connected, displayed and stored. Designed for **use in harsh environments** like marine & offshore. It will handle any project. **Integrated battery system** & optional GSM gateway makes MOSS a powerful portable measurement solution. Data is stored internally or on a USB stick so no additional equipment is required. External battery to extend operation to many days is optional.



## PowerGuard

Professional weather station power protection & management. Complete power **dropout protection for your weather station data logger and sensors** to ensure reliable operation.

- Power dropout protection for your weather station
- Strong triple level lightning protection including crowbar
- High efficiency MPPT solar charger
- 2 fully independent 1Amp 12V sensor power lines
- Automatic fault isolation
- Short circuit & reverse polarity protection
- Flexible solar panel options and 9.5-28V voltage input
- 12V Lead Acid (Pb) battery ready

## PowerGuard+

Advanced power management, monitoring & lightning protection.


**Strong triple level lightning protection** including a crowbar circuit for ultimate lightning protection for your logger, sensors and electronics.

9.5 to 55V power input and high-efficiency MPPT solar charger with power monitoring distributes power to **4x fully independent 0.5 Amp 12V & 1x 24V 1.5A sensor power lines with automatic fault isolation.**

Intelligent monitoring layer independent of the robust analog power management provides information about faults, voltage/current usage along with battery and solar **charging performance** enabling highly **reliable remote diagnosis** of weather station electrical systems.



 **all METEO**  
Weather stations & sensors

MeteoHelix  
  
Weather stations

EASY  
**MODBUS**  
VIEWER

 **BARANI**

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

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

