

○ **THE FIRST INDEPENDENT ALL-IN-ONE SOLUTION**

Wind Speed | Wind Direction | Temperature | Relative Humidity | Barometric Pressure | Solar Radiation

○ **FREE CLOUD COMMUNICATION**

Set up to use with the Delta OHM Cloud but also ready to be used with **practically any customized solution.**

○ **INDEPENDENT FROM LOCAL STRUCTURE**

Self-supporting system complete with solar panel and back up battery. Anywhere where there is GSM coverage the system will connect itself and start sending data.

○ **ACCURATE AND RELIABLE SYSTEM**

During production all sensors are **individually calibrated** in our own ISO 17025 calibration center to assure **very high accuracy.**

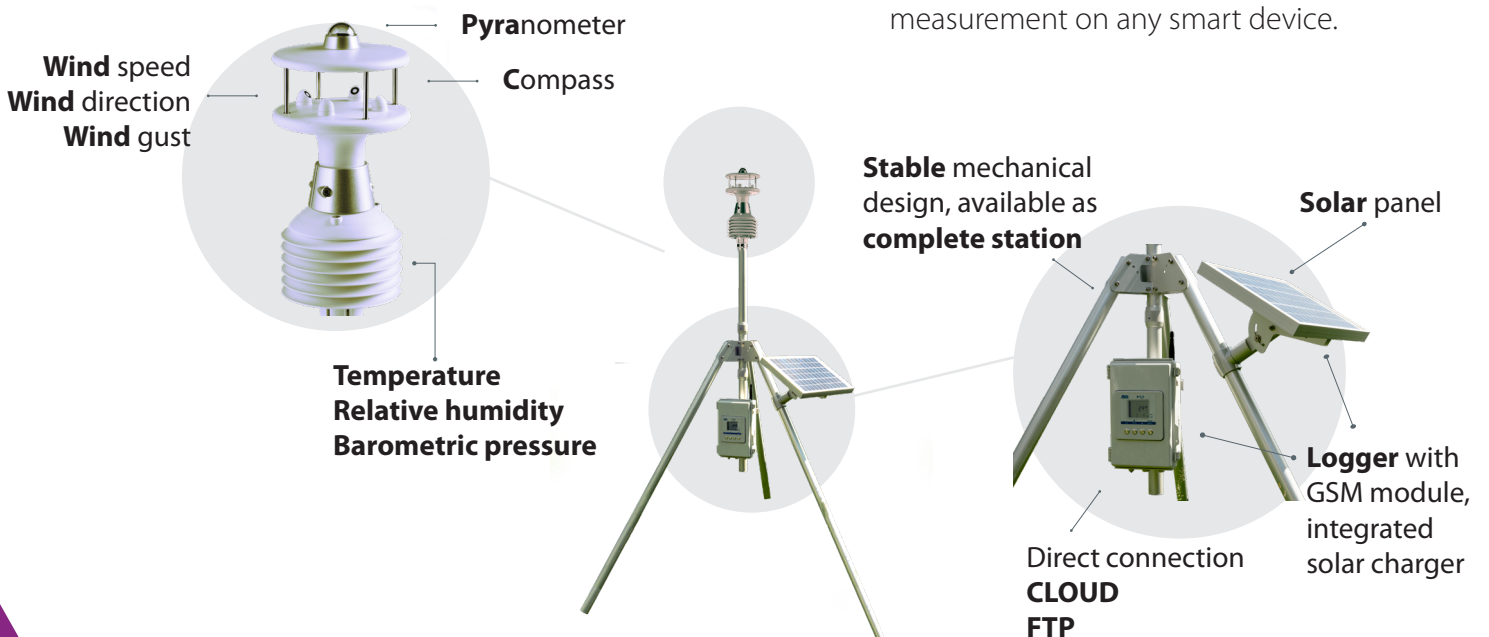
○ **MADE TO OPERATE UNDER HEAVY CONDITIONS**

Heavy duty mechanical design.
Ultrasonic sensor with no moving parts that need replacement.



**Quick & easy
set-up and installation**

1. Unpack the boxes.
2. Set up the tripod.
3. Plug-in the cables.
4. Insert your SIM card and receive the measurement on any smart device.



Technical Specification

WIND SPEED

Sensor	Ultrasounds
Measuring range	0...50 m/s
Resolution	0.01 m/s
Accuracy	± 0.2 m/s or ± 2%, the greatest (0...35 m/s), ± 3% (> 35 m/s)

WIND DIRECTION

Sensor	Ultrasounds
Measuring range	0...359.9°
Resolution	0.1°
Accuracy	± 2° RMSE from 1.0 m/s

COMPASS

Sensor	Magnetic
Measuring range	0...360°
Resolution	0.1°
Accuracy	± 1°

AIR TEMPERATURE

Sensor	Pt100
Measuring range	-40...+60 °C
Resolution	0.1 °C
Accuracy	± 0.15 °C ± 0.1% of measurement

RELATIVE HUMIDITY

Sensor	Capacitive
Measuring range	0...100%RH
Resolution	0.1%
Accuracy (@ T = 15...35 °C)	± 1.5%RH (0...90%RH), ± 2%RH (remaining range)
Accuracy (@ T = -40...+60 °C)	± (1.5 + 1.5% of measurement)%RH

BAROMETRIC PRESSURE

Sensor	Piezoresistive
Measuring range	300...1100 hPa
Resolution	0.1 hPa
Accuracy	± 0.5 hPa @ 20 °C

* adjustable width and height

SOLAR RADIATION

Sensor	Thermopile
Measuring range	0...2000 W/m ²
Resolution	1 W/m ²
Accuracy	2 nd Class Pyranometer

LOGGER

Power Supply	20 W Solar Panel integrated charger
Backup Battery	12 V / 3.4 Ah lead-acid rechargeable battery
Wind speed averaging interval	Configurable from 1 s to 10 min
Cable connection	Equipped with Plug-&Play connectors
Operating temperature	-40...+60 °C Minimum temperature for the rainfall sensor 1 °C
Protection degree	IP 65
Case	Plastic material. Metal parts: AISI 316
Measuring interval	1, 2, 5, 10, 15, 30 s / 1, 2, 5, 10, 15, 30, 60 min
Logging interval	1, 2, 5, 10, 15, 30 s / 1, 2, 5, 10, 15, 30, 60 min
Internal memory	Circular management or stop logging if memory is full. Number of samples: >240,000
Display	Custom LCD

DIMENSIONS



Document non contractuel - Nous nous réservons la possibilité de faire évoluer les caractéristiques de nos produits sans préavis

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