

# IDS WEATHER STATION

The IDS Weather Station is a reliable solution for clients requiring real-time weather data with a lower cost of ownership.

## Preferred Sensors

IDS have been implementing weather stations for more than 20 years and over this time have worked with instruments from almost all of the better known providers. Based on this experience and our continuous review of new sensor developments, the IDS team recommend a core combination of instruments that are proven to deliver value for money and excellent long-term stability.

## Wind Speed, Direction, Air Temperature, RH & Barometric Pressure

The IDS preferred instruments for wind speed and direction are the Airmar WX150 ultrasonic anemometers. These are reliable instruments that are reasonably priced and provide additional parameters including air temperature, relative humidity and barometric pressure.



## Rain Gauge

The most reliable solution for monitoring rain fall is the tipping bucket rain gauge. Our preferred instrument is the RM Young Tipping Bucket but we work with many makes. Regardless of the sensors selected, the IDS weather system provides you with a unique option for automated data processing that provides information on rain intensity as well as hourly, daily and weekly rainfall totals.

## Other Sensors

For IDS recommended sensors for other parameters such as irradiance, soil moisture, soil temperature, visibility and others please refer to the IDS Monitoring website and/or contact our sales team.

## Data acquisition and data delivery

The IDS DataPOD provides reliable data acquisition and telemetry with delivery of your weather information to a secure DataLink Webpage or directly to your PC. The default telemetry used in the DataPOD is GSM/ GPRS with options for ISM band Radio (433, 868, 900Mhz) and Iridium Satellite.

## The Station Platform

For an open green-field site the platform of choice is the IDS lattice tower which is available with heights ranging from 3m to 15m. The best height for the platform depends on the site but typically we recommend a 9m tower. For other locations such as on top of buildings or for taller towers, IDS is happy to design and supply more custom solutions.



## For more information

Contact us at [sales@idsmonitoring.com](mailto:sales@idsmonitoring.com) or call us on +35361375180.