

Features & Benefits

- Multiple inputs, flexible sensor integration
- Alarm functionality
- Satellite communication - from only 50c per day
- Easy access & control via web portal
- Long-term reliability - made for rugged environments
- Easy installation
- Australian designed & manufactured



The **SatVUE Automatic Weather Station** is a simple to use, simple to install, robust monitoring system designed to provide you with frequent, accurate updates on your local weather conditions.

It has been designed as the ideal solution for a range of professional applications including:

- Mining
- Construction
- Agriculture and Aquaculture
- Building Management
- Research and Education
- Environmental regulatory compliance
- Emergency Services

Standard Inclusions

- SatVUE Remote Telemetry Unit
- Ultrasonic wind speed / direction sensor
- Temperature, humidity, vapour & barometric pressure sensor
- Rainfall
- Solar panel and battery backup

Minimise risk, save time & money

The **SatVUE Automatic Weather Station** removes the need for you or your staff to visit sites and conduct manual measurements or inspections - which in turn could save thousands of dollars in travel and staff resource expenses every year!

The SatVUE system employs a simple approach for field installations - by utilising minimal hardware. In contrast with alternative solutions on the market, this makes for a cost-effective, robust system providing peace of mind.

Flexible Sensor & Integration Options

With up to 2* Analog, Digital or MODBUS I/O protocol inputs available, a broad range of sensors and/or devices can be integrated with the SatVUE system. The sensors we've chosen to include with the **SatVUE Automatic Weather Station** are due to their high accuracy, robust design, however, upon request we can supply any sensor of your choosing - pending availability. This allows for the flexibility to suit your monitoring requirements, be it water level, rain fall flow, soil moisture, leaf wetness, pressure, temperature, relative humidity, pH, DO, turbidity, EC, CO2, SO2, O2, volatile organic compounds, hydrocarbons, to name a few.



Supplied Sensors



Ultrasonic Anemometer

'Always on' sensor. Samples every 10 seconds & displays average value across predefined reporting period



RH, Temp, Vapour & Barometric Pressure

Radiation shield included (not shown)



Rain Gauge

Includes stainless steel bird spikes (not shown)

Sensor Specifications

Additional sensor options (e.g. leaf wetness) also available

Sensor	Range	Resolution	Accuracy
Wind Speed	0 to 30 m.s	0.01 m/s	0.30 m/s or <3%, whichever is greater
Wind Direction	0 to 359 degrees	1 degree	± 3 degrees
Relative Humidity	0 to 100% RH		Variable across temperatures <i>(*click for more)</i>
Air Temperature	-40 °C	0.1 °C	Variable across temperatures <i>(*click for more)</i>
Barometric Pressure	49 to 109 kPa	0.01 kPa	0.4 kPa
Vapour Pressure	0 to 47 kPa	0.001 kPa	Variable across temperatures <i>(*click for more)</i>
Rainfall	up to 2438 mm / hr	0.2 mm per tip	± at low rainfall rates ± at rainfall rates >300 mm / hr

Web Management Platform - Multi-site Management

From only 50 cents per day, remotely access your own unique web portal, allowing you to make manual changes to sampling and logging intervals of any sensor / transmitter connected to the SatVUE device, as well as the ability to setup crucial alerts when certain thresholds are reached.



Monitor Multiple Sites via a single Remote Web Portal

Example applications. Due to its flexible sensor integration the SatVUE solution is ideal for monitoring

Water Resource Management - ground, surface, waste, irrigation, bores, tanks, turkey's nests, centre pivot irrigation, start / stop pump, pipelines, channels, streams or dams for levels, quality, evaporation, flow & pressure, seawater for quality, currents & tides.

Air Quality - for dust, gases, temperature, humidity, pressure, solar radiation, wind speed & direction.

Soil - for moisture & contaminants.

Oil, gas, & other fluids - in pipelines and tanks for levels and pumps for status & control & more!

Weather Station Demo

Visit www.satvue.com.au/customer/login and enter the following to view our SatVUE Automatic Weather Station demo

Customer Code: PDS001

Username: pdsdemo

Password: pdsdemo1

Select the viewing icon  next to Devices: 'Weather Station'

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