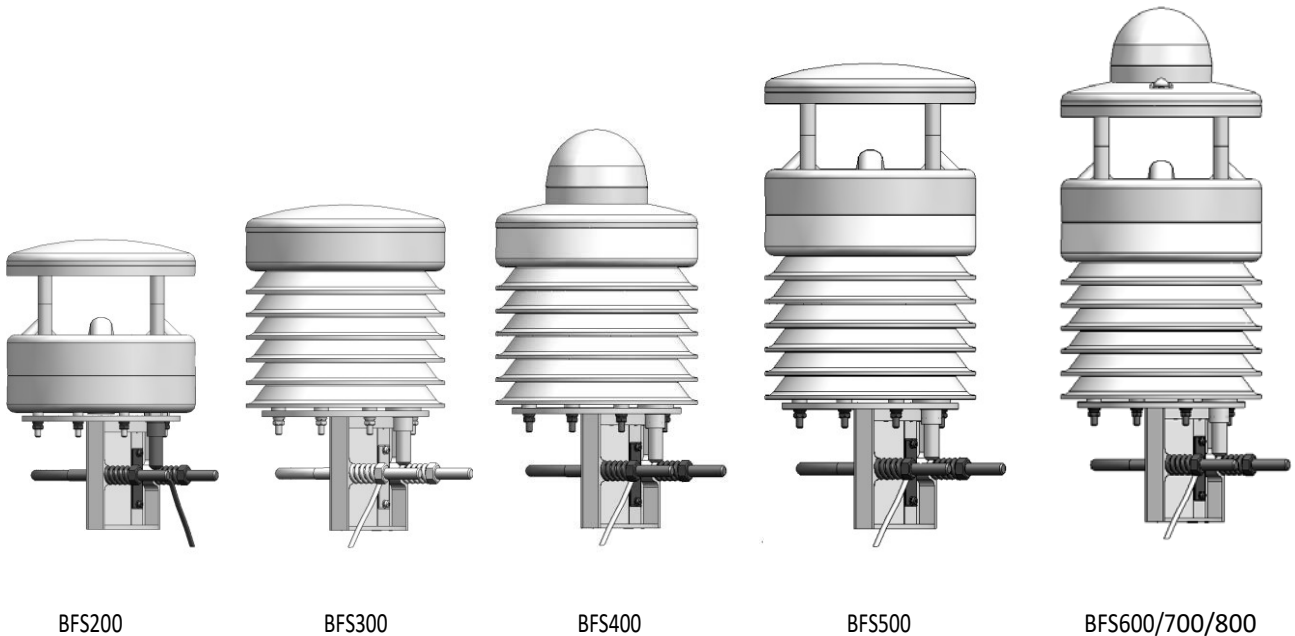


Integrated Weather Stations

VuWeather Meteorological Sensors

Overview

VuWeather meteorological sensors offer multi-variable, meteorological measurement. Featuring our professional-grade sensors, which can measure a variety of meteorological constants including: air temperature, air humidity, wind speed, wind direction, barometric pressure, rainfall etc. They feature high accuracy and fast response times, with serial output and user-friendly PC connection or direct connection to external instruments.



	BFS200	BFS300	BFS400	BFS500	BFS600	BFS700	BFS800
Air temperature		•	•	•	•	•	•
Relative humidity		•	•	•	•	•	•
Air pressure		•	•	•	•	•	•
Precipitation			•		•	•	•
Wind direction	•			•	•	•	•
Wind speed	•			•	•	•	•
Global Radiation						•	•
The UV index							•

Integrated Weather Stations

BFS200: Ultrasonic Wind Sensor

Overview

With the world becoming increasingly sensitive to weather patterns and climate change, it is important to measure the weather accurately. Our model **BFS200** offers the ideal and practical solution to measure wind speed and wind direction.

Features

Ultrasonic sensor technology is used to take accurate measurements
Maintenance-free and easy to install
Measurement data is available for further processing in the form of a common output protocol. Type: RS232/RS485
Mass Data storage and simple operation



Dimensions	Ø ca. 140mm, Height ca. 215mm, Weightt approx. 1kg
Wind direction	Principle: Ultrasonic Measuring range 0~360° Accuracy ± 3°
Wind speed	Principle Ultrasonic Measuring range 0~60 m/s Accuracy : ± 0,3m/s or ±3% (0...35m/s) Heating 30VA at 24VDC
General information	Interface RS485/RS232 Operating power consumption 12V <20ma Operating humidity range 0~100% Operating temperature range -40~60°C

Integrated Weather Stations

BFS500: 5 in 1 Weather Station

Overview

The VuWeather **BFS500** offers an integrated, multi-purpose weather station as the ideal solution to measure barometric pressure, humidity, temperature, wind speed and wind direction in a single compact and low cost instrument.

Features

Ultrasonic sensor technology is used to take accurate measurements
Maintenance-free and easy to install
Measurement data is available for further processing
in the form of a common output protocol Type: RS232/RS485
Mass Data storage and simple operation



Dimensions	Ø ca. 140mm, Height ca. 311mm, Weight approx. 1,5kg
Temperature	Measuring range -40~60°C (configurable) Accuracy ±0.1 (configurable)
Relative humidity	Measuring range 0~100% Accuracy ±2% (configurable)
Air Pressure	Measuring range 300~1200 hpa (configurable) Accuracy ±1 hpa (configurable)
Wind direction	Principle Ultrasonic Measuring range 0~360° Accuracy ±3° (configurable)
Wind speed	Principle Ultrasonic Measuring range 0~60 m/s Accuracy : ±0,3m/s or ±3% (0...35m/s) Heating 30VA at 24VDC
General information	Interface RS485/RS232 Operating power consumption 12V <20ma Operating humidity range 0~100% Operating temperature range -40~60°C

Integrated Weather Stations

BFS600: 6 in 1 Weather Station

Overview

The VuWeather **BFS600** offers an integrated, multi-purpose weather station as the ideal solution to measure barometric pressure, humidity, temperature, wind speed and wind direction, plus Rain Gauge in a single compact and low cost instrument.

Features

Ultrasonic sensor technology is used to take accurate measurements
Maintenance-free and easy to install
Measurement data is available for further processing
in the form of a common output protocol Type: RS232/RS485
Mass Data storage and simple operation

Dimensions	Ø ca. 140mm, Height ca. 360mm, Weight approx. 1,5kg
Temperature	Measuring range -40~60°C (configurable) Accuracy ±0.1 (configurable)
Relative humidity	Measuring range 0~100% Accuracy ±2% (configurable)
Air Pressure	Measuring range 300~1200 hpa (configurable) Accuracy ±1 hpa (configurable)
Wind direction	Principle Ultrasonic Measuring range 0~360° Accuracy ±3° (configurable)
Wind speed	Principle Ultrasonic Measuring range 0~60 m/s Accuracy : ±0,3m/s or ±3% (0...35m/s) Heating 30VA at 24VDC
Rain	Optical scattering theory Accuracy using the highest value: 0.001mm
General information	Interface RS485/RS232 Operating power consumption 12V <20ma



Integrated Weather Stations

BFS800: 8 in 1 Weather Station

Overview

The VuWeather **BFS800** offers an integrated, multi-purpose weather station as the ideal solution to measure barometric pressure, humidity, temperature, wind speed and wind direction, plus radiation, UV Index and Rain Gauge in a single compact and low cost instrument

Features

Ultrasonic sensor technology is used to take accurate measurements
Maintenance-free and easy to install
Measurement data is available for further processing
in the form of a common output protocol Type: RS232/RS485
Mass Data storage and simple operation



Dimensions	Ø ca. 140mm, Height ca. 360mm, Weight approx. 1,5kg
Temperature	Measuring range -40~60°C (configurable) Accuracy ±0.1 (configurable)
Relative humidity	Measuring range 0~100% Accuracy ±2% (configurable)
Air Pressure	Measuring range 300~1200 hpa (configurable) Accuracy ±1 hpa (configurable)
Wind direction	Principle Ultrasonic Measuring range 0~360° Accuracy ± 3° (configurable)
Wind speed	Principle Ultrasonic Measuring range 0~60 m/s Accuracy : ± 0,3m/s or ±3% (0...35m/s) Heating 30VA at 24VDC
Rain	Optical scattering theory Accuracy using the highest value: 0.001mm
Radiation	Measuring range:0~2000w/m2 Accuracy:5%
UVI	Measuring range:0~15
General information	Interface RS485/RS232 Operating power consumption 12V <20ma