



AERO

General description of operation

This meteorological station can measure the following parameters:

- Maximum, minimum and average windspeeds
- Maximum, minimum and average wind directions (as an option)
- Temperature and humidity (as an option)
- Pressure (as an option)

The station, powered by two LR6 batteries, can be easily installed at isolated sites and in extreme conditions.

The starting and stopping of the measurement process can be done via the AERO log software using the button to be found in the remote control box.

An LED on the control box indicates the system status. Its flashing indicates that the system is taking measurements.

Meteorological measurements

The AERO station takes windspeed and direction (as an option) measurements every second. Temperature, humidity and pressure (as options) are measured once per cycle. The time for calculating the average is adjustable using the SKYWATCH AEROlog software.

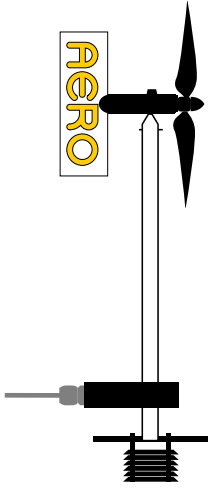
Recording measurements

All measurements are saved in the station memory. They can be downloaded to a PC using the USB port and then automatically saved in a CSV file.

Clock and synchronization

The station has an internal clock that allows measurements to be time stamped.

Introduction



1 x transmitter
with remote box



1x mini USB cable



Technical Specifications

General data:

Dimensions (L x H x D)	Housing: 64x110x38 mm Transmitter: 160x410x200 mm
Weight	Housing: 400g Transmitter: 550g
Protection class	Housing: IP 65 Transmitter: IP 67
Materials	Housing: aluminum Transmitter: stainless steel
Power Supply	2 batteries LR6
Battery autonomy	More than one year
Measuring channels (all options)	Average wind direction Average windspeed Maximum windspeed Air temperature Air relative humidity Atmospheric pressure
Recording	More than 600,000 time stamped measurements in non-volatile memory
Clock	Internal
Communication connector	Mini USB
Operating temperature	Measurement and recording: -30 ... +80 °C
Cable length	5m, other lengths on request

Meteorological transmitter:

Wind (direction as an option)	
Sampling	1 measurement per second
Average wind direction Measuring range Precision Resolution	0 ... 360° ± 5° 1°
Average and maximum windspeed Measuring range Precision Resolution Units	3 ... 200 km/h ± 3% 0.1 km/h km/h, m/s, mph, fps, knots

Temperature and humidity (as an option)	
Air temperature Measuring range Precision Resolution Units	-40 ... +90 °C ± 0.6 °C (0 .. +50 °C) ± 1.5 °C (-40 .. +90 °C) 0.1 °C °C, °F, K
Air relative humidity Measuring range Precision Resolution	0 ... 100 %RH ± 1.8 %RH (10 .. 90 %RH) 0.1 %RH

Barometric pressure (option)	
Measuring range Absolute precision Resolution Units	10 ... 1100 mbar ± 1.5 mbar (750 ... 1100 mbar) 0.1 mbar hPa, Pa, bar, atm, psi, mmHg