

WIND SPEED · WIND DIRECTION · DATA LOGGING

Wind speed and direction data logger

Standalone system for measuring and recording wind speed and direction with timestamps, local memory and rechargeable power supply.



INSTALLATION EXAMPLE



WIND SPEED

0 - 28 m/s

0 - 100.8 km/h

WIND DIRECTION

0 - 360°

resolution 1°

SAMPLING

1 - 60 s

programmable

DESIGNED FOR STANDALONE OPERATION

Ideal for environmental, agricultural, energy and experimental monitoring. The instrument records autonomously on microSD and can operate outdoors with battery and photovoltaic panel power.

ESSENTIAL TECHNICAL DATA

Key specifications and functions

Wind speed - range	0 - 28 m/s	Wind direction - resolution	1°
Wind speed - resolution	0.1 m/s	Wind direction - accuracy	±1°
Wind speed - accuracy	±3%	Wind direction - repeatability	±1°
Wind speed - repeatability	±0.2 m/s	Clock error	±3 s/day
Wind direction - range	0 - 360°	Operating temperature	-20 / +60 °C

FUNCTIONS

- Wind speed and direction data logger with timestamp.
- Selectable sampling rate: 1, 2, 5, 10, 30 or 60 s; extendable to longer intervals.
- Daily text files on microSD; recording capacity for years even with an 8 GB card.
- Date and time programmable directly on the instrument.
- Calibration of wind-speed slope/offset and wind-direction offset.
- Display and acquisition LED flashing can be enabled or disabled.
- Periodic battery-voltage log and log of calibration-factor changes.

POWER SUPPLY AND MEMORY

Rechargeable 3.7 V - 12,000 mAh lithium battery. Charging via 12 V photovoltaic panel, max 2.5 A. Average consumption: 45 mA at 1 s sampling with display off.