

EnviroMonitors Ltd

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Kestrel 4000

The Kestrel 4000 Pocket Weather Tracker allows you to take instant accurate readings of environmental conditions whenever and wherever you are. At the touch of a button important weather information is clearly shown in digital or graphical form.

Ideal for construction workers, engineers, sailors, flyers, farmers and those who love the outdoors, the Kestrel 4000 offers a multitude of features to help you monitor your environment in one single instrument.

Individual functions can be displayed in 3 different formats: current, minimum/maximum/average and chart. There are also 3 user screens, which can be customised to simultaneously display the 3 most appropriate functions for the application.

The Kestrel 4000 can be set up to log data automatically (as well as manually) at programmable intervals, in order to display a history of weather information. Graphs display up to 2000 data points and the value, time and date of capture point can be shown. The stored data can also be uploaded to a PC, for analysis/storage with the optional [Kestrel Interface](#) and Communicator software.

High precision jewel bearings and a lightweight impeller provide accurate air flow measurements (+/-3% of reading) and the ability to operate at speeds as low as 0.3 metres a second. The impeller is user-replaceable in case of damage, also ensuring high accuracy levels are maintained for life. An integral hard cover protects the impeller when not in use.

A precision external thermistor sensor provides fast response temperature readings and accuracy of +/- 1Å°C. The 0.1 degree resolution of the display aids in determining when a consistent reading has been reached. A special housing protects the relative humidity sensor from contamination providing an accuracy of +/-3%. A monolithic silicon based pressure sensor enables barometric pressure and altitude to be calculated, with a resolution of 0.1mb and 1m respectively.

The combination of the Kestrel 4000's multiple sensors result in the following derived functions: wind chill,

heat index, dew point and density altitude. Wind chill is the combination of wind speed and air temperature, so the stronger the wind speed the colder it feels. Heat index is the combined effect of air temperature and relative humidity. Hot, humid air actually feels hotter than hot, dry air. Dew point is the temperature at which moisture forms on a surface. Density altitude is the density of the air expressed as an altitude.

The Kestrel 4000 Pocket Weather Tracker is powered by two easily replaceable, AAA batteries and has two power saving modes to prolong battery life. All text can be displayed in one of several languages including: English, French, Italian, Spanish or German.

Accessories available: Tripod & Carry Case

[Vendor Information](#)