Weather Monitoring

Weather Monitoring

Rain Gauge 1000

Measures up to 250mm of rainfall. Remove the guesswork when monitoring various garden watering systems, avoiding over-watering and waste. Ideal on farms, vineyards, nurseries, gardens, parks and schools. Easy to read and accurate. Simple to install.

SKU	SIZE
1141-01218	250mm

Thermometer Min/Max Digital

One display that shows both the inside and outside temperatures simultaneously. It will also record the minimum and maximum temperatures. The outside temperature sensor is waterproof and is on a 3 metre cable. It also has a tilting bail for standing as well as a keyhole for wall mounting and large digits for easy reading.

SKU	SIZE
1141-01216	95 x 140 x 22mm

Thermometer Min/Max Reset Mercury Free

Thermometer max/min R/S -30°C to 50°C quickset plastic. Mercury free.

SKU
1141-01217

Thermometer Min/Max Reset Mercury

Manufactured according to European directive for commercial application only. -30°C to 50°C, plastic, white, with push-button and contains mercury.

SKU
1141-00145

Weather Monitoring

Kestrel Meter Comparison Chart

	1141-01223	1141-01205	1141-01202	1141-01201	1141-01213	1141-01221	1141-01207	1141-01220
Model	Kestrel 1000	Kestrel 2000	Kestrel 3000	Kestrel 3550AG	Kestrel 5000	Kestrel 5100	Kestrel 5200	Kestrel 5400
Wind speed	✓	✓	✓	✓	✓	✓	✓	✓
Max. wind gust	✓	✓	✓	✓	✓	✓	✓	✓
Ave. wind speed	✓	✓	✓	✓	✓	✓	✓	✓
Backlit display	X	✓	✓	✓	✓	✓	✓	✓
Temperature	X	✓	✓	✓	✓	✓	✓	✓
Clock	X	X	X	✓	✓	✓	✓	✓
Wind chill	X	✓	✓	✓	✓	✓	✓	✓
Altitude	X	X	X	✓	✓	✓	✓	✓
Pressure trend	X	X	X	✓	✓	✓	✓	✓
Baro pressure	X	X	X	✓	✓	✓	✓	✓
Relative humidity	X	X	✓	✓	✓	✓	✓	✓
Heat stress index	X	X	✓	✓	✓	✓	✓	✓
Dewpoint temp	X	X	✓	✓	✓	✓	✓	✓
Wet bulb temp	X	X	X	✓	✓	X	X	✓
Data storage	X	X	X	✓	✓	✓	✓	✓
Density altitude	X	X	X	X	✓	✓	✓	✓
Humidity ratio	X	X	X	X	X	X	X	X
Digital compass	X	X	X	X	X	X	X	X
Wind direction	X	X	X	X	X	X	X	X
Crosswind	X	X	X	X	X	X	X	X
Head/tailwind	X	X	X	X	X	X	X	X
Delta T	X	X	X	✓	X	X	✓	X
Vol. air flow (CFM)	X	X	X	X	X	X	✓	X
Rel. air density	X	X	X	X	X	✓	✓	X
Absolute pressure	X	X	X	X	X	X	X	X
Evaporation rate	X	X	X	X	X	X	✓	X
Wet bulb globe temp	X	X	X	✓	✓	✓	✓	✓
Water-proof/floats	✓	✓	✓	✓	✓	✓	✓	✓

Weather Monitoring

Kestrel 1000 Pocket Wind Meter

The Kestrel 1000 was the original meter of this type, and it is still going strong. Users will receive accurate current wind speed, average wind speed and maximum wind gust reports while on the go. The only thing that has changed about this reliable model over the years is the aesthetics of the unit. Can easily be switched between mph, km/h, ft/min, m/s, knots and Beaufort measurements.

Specifications:
- Measures current wind speed, maximum wind gust, average wind speed.
- Protective cover with sure-grip overmolding
- Data hold function
- Large easy-to-read display
- Waterproof and floats
- Patented user-replaceable impeller
- Wide range of wind speeds and low startup speed
- Reliable, portable, and easy to use

Comes with:
- Kestrel 1000 unit
- Slip-on protective cover
- Neck lanyard
- CR2032 coin cell battery (Average life 300 hours)
- Kestrel Certificate of Conformity

SKU	SIZE
1141-01223	122 x 42 x 18 mm

Kestrel 2000 Pocket Wind Meter

The Kestrel 2000 enables users to get up to the minute information about wind speed, wind gusts, wind chill and the current air, water and snow temperatures. It is the most basic temperature and wind meter in the Kestrel collection, combining a user-friendly interface with highly accurate atmospheric data readings.

Specifications:
- Measures current wind speed, maximum wind gust, average wind speed, air, water & snow temperature, wind chill.
- Protective cover with sure-grip overmolding.
- Waterproof and floats
- Large easy-to-read display with backlight
- Data hold function
- Quick-response, external thermistor
- Innovative design for stability and accuracy in abrupt condition changes.
- Patented user-replaceable impeller
- Reliable, portable and easy to use

Comes with:
- Kestrel 2000 unit
- A slip-on protective cover
- Neck lanyard
- CR2032 coin cell battery (Average life 300 hours)
- Kestrel Certificate of Conformity

SKU	SIZE
1141-01205	122 x 42 x 18 mm

Weather Monitoring

Kestrel 3000 Pocket Wind Meter

Targeted toward and practically required for wildland firefighters in both fighting fires and controlled burn situations. This was a principle factor that changed firefighting equipment standards from the previous standard, the belt weather kit. It cut the weight of dated weather packs, confusion, and time, to this minimalist approach that was revolutionary in firefighting, where users live literally depend on the accurate weather data the device provides.

Specifications:
- Measures current wind speed, maximum wind gust, average wind speed, air, water & snow temperature, wind chill, relative humidity, heat stress index, dewpoint
- Protective cover with sure-grip overmolding
- Data hold function
- Large easy-to-read display with backlight
- Waterproof and floats
- The humidity sensor can be recalibrated in the field with our Relative Humidity Calibration Kit.
- User-replaceable impeller
- External temperature sensor
- Patented Quick-Response RH Sensor

Comes with:
- Kestrel 3000 unit
- A slip-on protective cover
- Neck lanyard
- CR2032 coin cell battery (Average life 300 hours)
- Kestrel Certificate of Conformity

SKU	SIZE
1141-01202	122 x 42 x 18 mm

Kestrel 3550AG Pocket Weather Meter

Spray drift is a real concern that can cause harm to other plants, livestock, and nearby people. Use the new Kestrel 3550AG to make sure your crop-spraying of your pesticides or herbicides are on-target. Easily log and monitor your data using your smartphone, ensuring safety and saving time and resources.

It is critical to measure relative humidity, wind speed and wind direction at field-level to minimize waste and maximize safety when spraying. The on-site weather at time of application has a significant impact on the risk of drift. Best management practices include checking weather at the site of application to ensure safe and effective spraying. With a built-in digital compass, the 3550AG measures all relevant environmental conditions for spraying including wind direction.

Pocket sized, rugged, waterproof, affordable, easy-to-use and equipped with on-unit data logging and wireless data retrieval for monitoring and reporting, the Kestrel 3550AG is your trusted weather guide for spraying and farming.

Comes with:
- Weather Meter
- Slide Cover
- Neck lanyard
- CR2032 coin cell battery (Average life 300 hours)
- Kestrel Certificate of Conformity

SKU	SIZE
1141-01201	122 x 42 x 18 mm

Weather Monitoring

Kestrel 5000 Pocket Environmental Meter

This is the baseline wind and weather meter in the Kestrel 5000 series. Includes data storage, graphing functions and computer interface technology. It has the capacity to store up to 10,000 data points of weather data, enabling you to track changes in the environment over time, view these changes as graphs on your Kestrel 5000's display, and even upload the data to your PC or Mac.

Specifications:
- Measures barometric pressure, altitude, relative humidity, heat stress index, dew point, temperature, and wind speed
- Easy to read, backlit screen with high resolution for even bright sunny conditions
- Time and date stamping on recorded measurements
- Exterior temperature, humidity, and pressure sensors for fast and accurate readings
- Automatically store measurements, even when the unit is turned off
- Manually store measurements with the press of a button
- Graph and recall trends
- Waterproof, dust proof, with scratch and break resistant glass screen

Comes with:
- Kestrel 5000 unit
- Neck Lanyard
- AA Lithium Battery (Average Life 400 Hours)
- Protective Drawstring Pouch
- Certificate of Conformity
- Instruction Manual

SKU	SIZE
1141-01213	127 x 42 x 28 mm

Kestrel 5100 Pocket Racing Weather Meter with Link

The Kestrel 5100 Pocket Weather Meter is Kestrel's racing pit meter. Kestrel has been trusted for years for last minute tuning decisions. Get readings where it counts, on the track, not the trailer. With the new LINK technology, you can get readings right to your smartphone up to 100 feet away.

Specifications:
- Measures moisture content (water grains), air density, relative air density (rad), altitude, pressure trend, barometric pressure, wet bulb temperature, relative humidity, heat stress index, dewpoint, density altitude, wind chill, air, water, and snow temperature, current, average, and maximum air velocity
- Waterproof and floats
- Easy- to-read backlit display
- Data Logger (automatic and manual)
- Customisable data storage - 2900 data points
- Exterior temperature, humidity, and pressure sensors for fast and accurate readings
- Graph and recall trends

Comes with:
- Kestrel 5100 unit
- Neck Lanyard
- AA Lithium Battery (Average Life 400 Hours)
- Protective Drawstring Pouch
- Certificate of Conformity
- Instruction Manual

SKU	SIZE
1141-01221	127 x 42 x 28 mm

Weather Monitoring

Kestrel 5200 Pocket Professional Environmental Meter

With its complete suite of environmental measurements plus special features designed to aid HVAC technicians, construction and agriculture professionals, the Kestrel 5200 outperforms the competition as the most compact and complete environmental meter and data logger for all professional uses.

Specifications:
▪ Measures air density, air flow, air velocity, altitude, barometric pressure, density altitude, delta t, dew point temperature, evaporation rate, heat stress index, humidity ratio (grains), relative air density, relative humidity, station pressure (absolute pressure), temperature, wet bulb temperature (psychrometric), wind chill.
▪ Easy- to-read backlit display.
▪ Customisable data storage with 10,000 data points
▪ Multi-Function 3-line display.
▪ Humidity sensor can be recalibrated in the field with our relative humidity calibration kit
▪ Exterior temperature, humidity, and pressure sensors for fast and accurate readings.
▪ Graph and recall trends
▪ Flip-top impeller cover allows use of other functions while protecting the impeller.

Comes with:
▪ Kestrel 5200 unit
▪ Neck Lanyard
▪ AA Lithium Battery (Average Life 400 Hours)
▪ Protective Drawstring Pouch
▪ Certificate of Conformity
▪ Instruction Manual

SKU	SIZE
1141-01207	127 x 42 x 28 mm

Kestrel 5400 Heat Stress WBGT Meter

The Kestrel 5400 uses a 1-inch black globe to gather information about the environment, which isn't possible with current Kestrels. As is true with the original Wet Bulb Globe Temperature apparatus, a temperature sensor is installed inside the globe that will measure the temperature inside.

Specifications:
▪ Measures globe temperature, naturally aspirated wet bulb temperature, wind speed, altitude, pressure trend, barometric pressure, relative humidity, heat stress index, dewpoint, wet bulb, temperature, density altitude, wind chill, air, water, and snow temperature.
▪ Waterproof and floats
▪ Easy- to-read backlit display
▪ Customisable data storage - 2900 data points
▪ Customise screens to display user-selected measurements.
▪ Graph and recall trends
▪ User-replaceable impeller

Comes with:
▪ Kestrel 5400 unit
▪ Neck Lanyard
▪ AA Lithium Battery (Average Life 400 Hours)
▪ Protective Drawstring Pouch
▪ Certificate of Conformity
▪ Instruction Manual

SKU	SIZE
1141-01220	127 x 42 x 28 mm

Weather Monitoring

Vantage Vue Wireless Weather Station

This weather station includes two components: the Integrated Sensor Suite (ISS) which houses and manages the external sensor array, and the console which provides the user interface, data display, and calculations.
The Vantage Vue ISS and console communicate via an FCC-certified, license-free frequency-hopping transmitter and receiver. Frequency-hopping spread-spectrum (FHSS) technology provides greater communication strength over longer distances and areas of weaker reception. User-selectable transmitter ID codes allow up to eight stations to coexist in the same geographic area. (It can also receive and display data from any Vantage Pro2 or Vantage Pro2 Plus ISS. The Vantage Pro2 Plus includes two additional sensors: the UV sensor and the solar radiation sensor).

Specifications:
▪ Size: 190 x 146 x 114mm
▪ Measures temperature, barometric pressure, dew point, heat index, humidity, rainfall, rain rate, wind chill, wind direction, wind speed.
▪ 22 configurable weather alarms
▪ Forecast icons
▪ Select between C° and F°
▪ Displays eight moon phases
▪ Variables are updated every 10 seconds
▪ Uses a solar panel to reduce battery consumption
▪ Tracks weather changes over a 24 hour period
▪ A radiation shield and a weather-proof cover for sensors.
▪ Measures 10 different weather variables
▪ 300m wireless range

SKU
1141-00050

Vantage Pro 2 with Standard Radiation Shield

This Weather Stations include two components: the Integrated Sensor Suite (ISS) which houses and manages the external sensor array, and the console which provides the user interface, data display, and calculations. The ISS and Vantage Pro2 console communicate via an FCC-certified, license-free, spread-spectrum frequency-hopping (FHSS) transmitter and receiver. User-selectable transmitter ID codes allow up to eight stations to coexist in the same geographic area. The frequency hopping spread spectrum technology provides greater communication strength over longer distances and areas of weaker reception.

Specifications:
▪ Size: 190 x 146 x 114mm
▪ Measures temperature, barometric pressure, dew point, heat index, humidity, rainfall, rain rate, wind chill, wind direction, wind speed.
▪ Weather-resistant shelter for outdoor sensors
▪ Solar Panel
▪ Select between C° and F°
▪ Expandable
▪ Mounting hardware
▪ Daily, monthly and yearly data retention
▪ Weather Alarms
▪ 300m wireless range

SKU
1141-00061