

Kestrel 5200 Professional Environmental Meter

Whether you're pouring concrete, balancing HVAC systems, or spraying crops, take the calculations and guess-work out of your job with the Kestrel 5200.



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 Press.)
- Temperature
- Wet Bulb Temp. (Psychrometric)
- Wind Chill

The Kestrel 5200 provides the same trusted accuracy, reliability, and usability as the original Kestrel 4200 and 4300. 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.

The Kestrel 5200 offers advanced calculators and readings that are unique in the portable meter market and are designed to make your job easier. In addition to measuring current environmental conditions, the Kestrel 5200 tracks and logs over 10,000 sets of time-stamped data. Your data log can be transferred to a mobile device wirelessly with the LiNK wireless communication option and Kestrel LiNK app, or to a PC/MAC with either the accessory Kestrel LiNK Dongle or waterproof USB Data Transfer Cable (available separately).

In addition to measuring the current environmental conditions, the Kestrel 5000 tracks and logs over 10,000 sets of time-stamped data. Your data log can be transferred to a mobile device wirelessly, or to a PC/MAC with either the optional Kestrel LiNK Dongle or waterproof USB Data Transfer Cable.

Features & Benefits

- Measures evaporation rate, air velocity, air flow, air density, relative air density, delta T, and much more. 17 measurements in all!
- Large, hi-res, hi-contrast, graphic display is perfectly readable in the brightest sunlight and is backlit for nighttime use.
- Handheld, portable weather station with onboard data logging and graphing.
- Rugged (drop tested to MIL-STD-810G standards), waterproof (sealed to IP67 standards) and floats.
- Easy to read, changeable between standard and NV backlit screen with high resolution for even bright sunny conditions.
- Exterior temperature, humidity, and pressure sensors for fast and accurate readings
- Humidity sensor can soon be calibrated in the field via cable or Dongle.
- Automatically store measurements, even when the unit is turned off.

Construction

The Kestrel 5200 has the American Concrete Institute Evaporation Rate nomograph built in, and displays the Evaporation Rate right on screen with no calculation or error-prone interpolation. With that information in hand, decisions about additives to the mix or curing adjustments can be made, prevent costly plastic shrinkage cracks of the slab. Plus, the Kestrel 5200 allows you to monitor wind-loading on booms and cranes, and even track the heat index on your work site to keep your workers safe.

HVAC

Volume air flow couldn't get any easier than this. Simply input the duct shape and dimensions and traverse the Kestrel 5200 across the duct. You'll get instantaneous and average volume air flow without the need for any geometry or calculations. readings that greatly assist in commissioning and performance balancing HVAC systems. While not a replacement for a balometer, the Kestrel 5200 is far less expensive and can save you time and money. The Kestrel 5200 also offers every commonly-used measurement of moisture content in air, making life easy to determine dehumidification needs.

Agriculture

Delta T allows you to accurately assess acceptable spraying conditions to ensure you're within guidelines and help you select the right spray nozzle. The Kestrel 5200 calculates and logs on-site Delta T without any additional user input. Delta-T provides guidance on the evaporation rate of sprayed chemicals. Agriculture professionals can ensure they spray safely, every time.

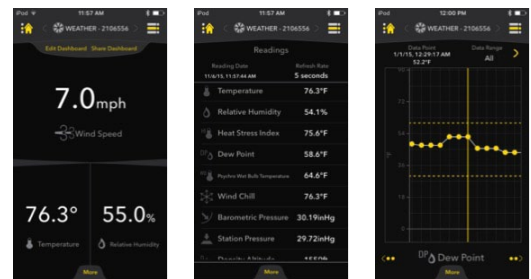
Kestrel LiNK

The Kestrel 5 series also includes a built-in dual color backlight, extra-strong polycarbonate lens and AA battery operation and offers optional LiNK iOS and Android wireless connectivity and app support. Like all Kestrel meters, the Kestrel 5200 is drop-proof, dust-proof, waterproof and able to withstand harsh environments without damage – so it can work as hard as you do, wherever you go. A range of carry pouch options makes it even easier to take your Kestrel meter with you.

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Who's Using the Kestrel 5200 Professional Environmental Meter?

- Construction and Concrete Pouring
- Crop Dusting
- Education and Classroom Use
- Facilities Management
- Farming & Agriculture
- HVAC & Air Conditioning Balancing
- Remediation
- Research & Technology



Optional Kestrel LiNK



Optional Accessories

- Rotating Vane Mount & Carry Case
- Kestrel LiNK Wireless Dongle (PC/Mac)
- Kestrel USB Data Transfer Cable

Models Available

- KAU-KES-0852HVG Kestrel 5200 Professional Environmental Meter
- KAU-KES-0852LHVG Kestrel 5200 Prof. Environmental Meter with LiNK

Kestrel 5200 Specifications



Scan (or click) the QR Code using a free iOS / Android App to view the full specifications of the Kestrel 5000 range