

TIPS FOR TAKING ACCURATE MEASUREMENTS

WATCH YOUR FINGERS

Avoid covering the large humidity chamber opening on the case rear with your fingers. Keep all fingers below the finger groove and away from the chamber opening.



NO!

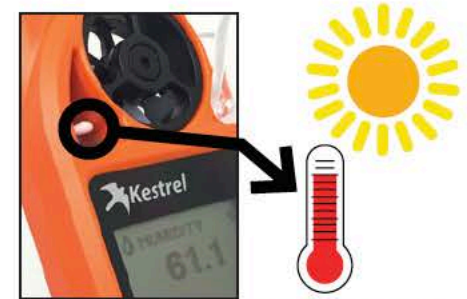


YES!

MEASURE IN THE SHADE

If the white tip of the thermistor is exposed to direct sunlight or if the body of the Kestrel has been heated by the sun AND there is not airflow over the thermistor, temperature will read artificially high and humidity artificially low. For most accurate temperature and humidity readings, shade the Kestrel or ensure adequate airflow.

NOTE: Because WBGT measurements must be taken in direct sunlight to be correct, they will be somewhat higher than actual if there is no wind present.



CAUTION!



For more information see *Tips for taking accurate measurements* in the Support tab at www.kestrelinstruments.com

GET GOOD AIRFLOW

Do not take readings with the Kestrel Meter lying flat – raise it into the air vertically (*Fig. a*) or stand it on its base and orient it into the wind or air flow. Alternatively, wave it in the air or swing it by the lanyard (*Fig. b*) to increase air flow. If a high level of accuracy is required for measurements involving humidity, do not hold the unit while taking measurements. Taking readings with the Kestrel in your hand or over your body can raise relative humidity by 5% or more. A Kestrel vane mount (*Fig. c*) will isolate the Kestrel Meter from influenced humidity values and keep it correctly oriented into the wind or air flow at all times.



Fig. a



Fig. b



Fig. c

GET ACCLIMATED

Whenever you move your Kestrel Meter into a new environment, wait until the primary sensor values have stabilized (Temperature, Humidity, etc.) before taking measurements that rely upon these values. After a large change in environmental conditions, this may take 15 minutes or more, with humidity potentially taking the longest.

