

Kestrel Pocket Weather Meters



Model No	5000	5100	5200	5400	5500
Primary Use	Environment	Racing	Professional	Heat Stress	Weather
Wind Speed	*	*	*	*	*
Temperature	*	*	*	*	*
Wind Chill	*	*	*	*	*
Rel. Humidity	*	*	*	*	*
Heat Stress Index	*	*	*	*	*
Dewpoint Temp.	*	*	*	*	*
Wet Bulb Temp. (WBT)	*	*	*	*	*
Station Pressure	*	*	*	*	*
Barometric Pressure	*	*	*	*	*
Altitude	*	*	*	*	*
Density Altitude	*	*	*	*	*
Wind Direction				w/ vane mount & tripod	*
Crosswind				w/ vane mount & tripod	*
Head/Tail Wind				w/ vane mount & tripod	*
Moisture Content		*	*		
Air Density		*	*		
Relative Air Density (RAD)		*	*		
Evap. Rate			*		
Vol. Air Flow			*		
Delta T			*		
Wet Bulb Globe Temp.				*	
Thermal Work Limit				*	
Globe Temp.				*	
Naturally Aspirated WBT				*	
Digital Compass				optional	*

SENSORS			
SENSOR	ACCURACY (+/-)	RESOLUTION	SPECIFICATION RANGE
Wind Speed Air Flow	Larger of 3% of reading, least significant digit or 20 ft/min	0.1 m/s 1 ft/min 0.1 km/h 0.1 mph 0.1 knots 1 ft 0.1 F/S*	0.6 to 40.0 m/s 118 to 7,874 ft/min 2.2 to 144.0 km/h 1.3 to 89.5 mph 1.2 to 77.8 knots 0 to 12 ft 2-131.2*
Ambient Temperature	0.9 °F 0.5 °C	0.1 °F 0.1 °C	-20.0 to 158.0 °F -29.0 to 70.0 °C
Relative Humidity	±2%RH	0.1 %RH	10 to 90% 25 °C non-condensing
Pressure	±1.5 mbar at 25 °C, 700-1100 mbar/ ±0.04 inHg at 77 °F 20.67-32.48 inHg/ ±0.022 PSI 10.15-15.95 PSI	0.01 inHg 0.1 hPa/mbar 0.01 PSI	25 °C/77 °F, 700-1100 mbar/20.67-32.48 inHg/10.15-15.95 PSI
Compass	±5°	1° 1/16th Cardinal Scale	0 to 360°

ADDITIONAL PRODUCT INFO	
Battery Life	AA Lithium, included. Up to 400 hours of use, reduced by backlight or Bluetooth radio transmission use.
Shock Resistance	MIL-STD-810g, Transit Shock, Method 516.5 Procedure IV; unit only; impact may damage replaceable impeller.
Sealing	Waterproof (IP67 and NEMA-6)
Display & Battery Operational Temperature Limits	14° F to 131° F -10 °C to 55 °C Measurements may be taken beyond the limits of the operational temperature range of the display and batteries by maintaining the unit within the operational range and then exposing it to the more extreme environment for the minimum time necessary to take reading.
Size & Weight	5.0 x 1.9 x 1.1 in / 12.7 x 4.5 x 2.8 cm, 4.3 oz / 121 g. (Lithium battery included)