PART NUMBER 0880

CFM made easy!

1. Select shape of duct....
2. Set dimensions....
3. Hold meter in air flow....

Results!   That easily.

No equations or calculators required!

Finally, a hand held unit that measures everything you need to know on a job site. The Kestrel 4100 is the new revolution in HVAC monitoring.

Features

- Air flow in cfm, L/s, m³/s, m³/m, m³/h
- Air Velocity in ft/m, mph, m/s, km/h, kts, Beaufort
- Temperature in °F or °C
- Humidity in %
- Additional measurements of dewpoint, wind chill and heat stress index
- Data Logger (automatic and manual)
- Minimum, Maximum and Average values
- Multi-Function 3-line display
- Impeller can be replaced without tools
- Humidity sensor can be recalibrated in the field with our Relative Humidity Calibration Kit.
- Graphical Display for logged values
- Upload to a computer (with optional interface)
- Backlight for low light conditions
- Includes neck and wrist lanyards, protective pouch and 2 AAA batteries
- 2-year warranty
- Assembled in the USA
- US Patent Nos. 5,783,753 and 5,939,645 and 6,257,074

Specifications

Air Velocity

Accuracy	±3%
Response Time	1 second
Calibration Drift	<2% after 100 hours use at 7m/s

Units	Display	Resolution	Range
Knots	KTS	0.1	0.6 to 78
Meters per Second	M/S	0.1	0.3 to 40
Kilometers per Hour	KM/H	0.1	1.0 to 144
Miles per Hour	MPH	0.1	0.7 to 89
Feet per Minute	FPM	1	59 to 7877

Beaufort Force	BEAU	1	1 to 16

Air Flow

Accuracy	±3%
Response Time	1 second
Calibration Drift	<2% after 100 hours use at 7m/s

Units	Display	Resolution	Range
Cubic Feet per Minute	cfm	1	0 to 99,999
Liters per Second	L/s	1	0 to 99,999
Cubic Meters per Second	m³/s	1	0 to 99,999
Cubic Meters per Minute	m³/m	1	0 to 99,999
Cubic Meters per Hour	m³/h	1	0 to 99,999

Temperature

Accuracy	
Temperature	±1°C
Wind Chill	±1°C
Dew Point	±2°C
Heat Index	±3°C
Response Time	approximately 1 minute for most conditions

Units	Display	Resolution	Range
Celsius	°C	0.1	-29 to 70
Fahrenheit	°F	0.1	-20 to 158

Relative Humidity

Accuracy	±3%
Response Time	approximately 1 minute for most conditions
Calibration Drift	±2% over 24 months (can be field calibrated)

Units	Display	Resolution	Range
Percent	%	0.1	5 to 95%

Display

Update	1 second
Temperature Range	Normal operation from -20°C to 60°C [-4°F to 140°F]. Below -20°C [-4°F], accurate readings may be taken by keeping the unit warmer than -20°C [-4°F] and exposing it for the minimum time necessary to take a reading (less than 1 minute).
Storage Temperature	-30°C to 60°C [-22°F to 140°F].
Auto Shutdown	After 15 minutes of no button presses. (This feature can be disabled.)

Physical

Battery	Two AAA alkaline batteries (included). Typical life, 400 hours.
Impeller	25 mm. [1in.] diameter, sapphire bearings, light weight. User-replaceable impeller/housing assembly.
Temperature Sensor	Hermetically sealed precision thermistor.
Humidity Sensor	Solid state silicon capacitive sensor.
Dimensions	12.7 x 4.5 x 2.8 cm. [5 x 1.8 x 1.1 in.]
Weight	102 g. [3.6 oz.]
Warranty	Standard 2-year covers parts and labor.

*Specifications are subject to change.