



\* 9 in 1 professional environment instruments:

1. Air velocity/Temp.
2. Humidity/Temp.
3. Light meter
4. Air flow
5. Dew point
6. Wet bulb
7. Wind chill
8. Heat index
9. Type K Temp.

## 1. General Specifications

Spartna SPR-101 is a 9-in-1 environmental meter that can measure air velocity, air flow, air temperature, Type - K temperature, heat index, and humidity. It also offers wet bulb, dew point, windchill, and light level measurements. The SPR - 101 includes a built-in, replaceable low friction ball bearing mini vane wheel, a precision photo diode with cosine and color correction filter, and a capacitive humidity sensor for high accuracy.

## 2. Features

1. Tiny bone shape with light weight and small size case design are suitable for handling with one hand.
2. Wristlet design provides extra protection to the instrument especially for user one hand operation.
3. Low-friction ball bearing mounted wheel design provides high accuracy at high and low air velocity.
4. High precision humidity sensor with fast response time.
5. Built-in baro sensor for the atmosphere value and altitude measurement precisely.
6. Built-in microprocessor circuit assures excellent performance and accuracy.
7. Concise and compact buttons arrangement, easy operation.
8. Memorize the maximum and minimum value with recall.
9. °C/°F detection by pressing button on the front panel.
10. Hold function to freeze the current reading value.

## 3. Technical Specifications

Air velocity	80 to 3937 ft/min 0.4 to 20.0 m/s 1.4 to 72.0 km/h 0.9 to 44.7 mile/h 0.8 to 38.8 knots
Accuracy	≤20m/s: ±3%F.S. Max.: 25 m/s
Air flow	0 to 54,000 CMM 0 to 1,907,000 CFM
Area	0.001 to 30.000 m <sup>2</sup> 0.01 to 322.93 ft <sup>2</sup>
Temperature	0 to 50 °C / 32 to 122 °F
Accuracy	±1.2°C / ±2.5 °F
Humidity	10 to 95 %RH
Accuracy	< 70% RH: ±4 %RH ≥70% RH: ±(4%rdg+1.2%RH)
Dew Point	-25.3 to 48.9°C/-13.5 to 120.1°F
Wet bulb	-5.4 to 49.9°C (-22.2 to 120°F)
Windchill	-9.4 to 44.2°C (15 to 112°F )
Heat Index	0 to 100°C (32 to 212°F)
Type K Thermometer	-50 to 1300°C / -58 to 2372°F
Light meter	0 to 20,000 LUX (0 to 1860 Fc)
Accuracy	± ( 5% rdg ± 8 dgt )
Operating Temperature	0 to 50 °C ( 32 to 122 °F)
Operating Humidity	Max. 80% RH
Power Supply	Battery AAA X 3
Dimensions	120 x 45 x 20 mm
Weight	160g