









# All-in-One Weather Sensors

Also known as compact weather sensors or basic weather sensors



All-in-one weather sensors measure multiple parameters. For example, these may include wind speed and direction, precipitation, barometric pressure, temperature, and relative humidity. (For sensor-specific measurements, reference the chart below.) These multi-function sensors have no moving parts.

	<i>Measurements Made</i>	<i>Digital Communication Modes</i>	<i>Typical Current Drain @ 12 Vdc</i>	<i>Operating Temperature Range</i>
<p><b>ClimaVUE50</b> Compact Digital Weather Sensor</p> <p>Popular</p> 	<p>Air temperature, barometric pressure, lightning average distance, lightning strike count, precipitation, relative humidity, solar radiation, tilt, wind direction, and wind speed.</p>	—	< 1 mA (average)	-50° to +60°C (Except the barometer and RH: -40° to +60°C.)
<p><b>METSENS200</b> Compact Weather Sensor for Wind with Compass</p> 	<p>Wind direction and wind speed.</p>	<p>Serial RS-232, RS-485, SDI-12, NMEA, Modbus, ASCII</p>	<ul style="list-style-type: none"> <li>➤ 0.7 mA (eco-power mode; 1 hour polled)</li> <li>➤ 25 mA (continuous high mode)</li> </ul>	-40° to +70°C
<p><b>METSENS300</b> Compact Weather Sensor for Temperature, RH, and Barometric Pressure</p> 	<p>Air temperature, barometric pressure, and relative humidity.</p>	<p>Serial RS-232, RS-485, SDI-12, NMEA, Modbus, ASCII</p>	<ul style="list-style-type: none"> <li>➤ 25 mA (continuous high mode)</li> <li>➤ 0.7 mA (eco-power mode; 1 hour polled)</li> </ul>	-40° to +70°C

		<i>Measurements Made</i>	<i>Digital Communication Modes</i>	<i>Typical Current Drain @ 12 Vdc</i>	<i>Operating Temperature Range</i>
<b>METSENS500</b> Compact Weather Sensor for Temperature, RH, Barometric Pressure, and Wind with Compass		Air temperature, barometric pressure, relative humidity, wind direction, and wind speed.	Serial RS-232, RS-485, SDI-12, NMEA, Modbus, ASCII	<ul style="list-style-type: none"> <li>➤ 25 mA (continuous high mode)</li> <li>➤ 0.7 mA (eco-power mode; 1 hour polled)</li> </ul>	-40° to +70°C
<b>METSENS550</b> Compact Weather Sensor for Temperature, RH, Barometric Pressure, and Wind with Precipitation Connector and Compass		Air temperature, barometric pressure, relative humidity, wind direction, and wind speed. (An integrated side connector allows users to connect a tipping bucket rain gauge.)	Serial RS-232, RS-485, SDI-12, NMEA, Modbus, ASCII	<ul style="list-style-type: none"> <li>➤ 25 mA (continuous high mode)</li> <li>➤ 0.7 mA (eco-power mode; 1 hour polled)</li> </ul>	-40° to +70°C
<b>METSENS600</b> Compact Weather Sensor for Temperature, RH, Barometric Pressure, Wind, and Precipitation with Compass		Air temperature, barometric pressure, precipitation, relative humidity, wind direction, and wind speed.	Serial RS-232, RS-485, SDI-12, NMEA, Modbus, ASCII	<ul style="list-style-type: none"> <li>➤ 0.7 mA (eco-power mode; 1 hour polled)</li> <li>➤ 25 mA (continuous high mode)</li> </ul>	-40° to +70°C

For comprehensive details, visit: [www.campbellsci.com/all-in-one-weather](http://www.campbellsci.com/all-in-one-weather) 

