

# *weatherVIC*

PC-based weather

- *Measures six weather parameters*
- *No moving parts*
- *PC logs weather data in real-time*
- *Graphical plug-and-play interface*
- *Includes 100 ft. sensor cable*

The NexSens **weatherVIC** weather monitoring system is a highly accurate PC-based automatic weather station. The system includes everything required to begin logging weather data directly to a Windows-based computer. **weatherVIC** is comprised of a Vaisala **WXT520** multi-parameter weather sensor, pre-wired 100 foot sensor cable with DB-9 connector, AC power supply, and NexSens **weatherVIC** Software. Simply mount the **WXT520** sensor, connect the cable to a PC and wall outlet, install **weatherVIC** Software, and begin logging weather data – it's that simple!

The Vaisala **WXT520** multi-parameter weather transmitter is a compact and lightweight multi-sensor instrument that measures the most essential weather parameters. The system simultaneously measures wind speed & direction, liquid precipitation, barometric pressure, temperature, and relative humidity - all in a compact sensor housing with no moving parts. All measurements are based on proven Vaisala technology, such as the WINDCAP sensor for wind speed and direction, the modern RAINCAP sensor for rainfall and rain intensity, and a single module for barometric pressure, temperature, and humidity.

NexSens **weatherVIC** software is a powerful data collection and analysis tool for the Vaisala **WXT520** weather sensor, turning your computer into a real-time weather station and data logger. A user-friendly graphical interface eliminates the complicated programming common with other data logger systems and weather sensors. There are three view panels that offer various graphical representations of real-time data, such as a wind dial, traditional mercury thermometer, and weather report with animated rainfall. Historical weather reports with statistics, plots and data tables are quickly generated with the built-in report generator. Data can be exported to PDF or Microsoft Excel with just one mouse click.



**NEXSENS**  
technology

## specifications

<b>Wind Speed Range</b>	0-60 m/s
<b>Wind Speed Accuracy</b>	±0.3 m/s or ±3% at 0 to 35 m/s, whichever is greater; ±5% at 35 to 60 m/s
<b>Wind Direction Azimuth</b>	0-360°
<b>Wind Direction Accuracy</b>	±3°
<b>Precipitation Collecting Area</b>	60 cm <sup>2</sup>
<b>Rainfall Accuracy</b>	5%
<b>Pressure Range</b>	600-1100 hPA
<b>Pressure Accuracy</b>	±0.5 hPA at 0 to 30°C; ±1 hPA at -52 to +60°C
<b>Humidity Range</b>	0 to 100% RH
<b>Humidity Accuracy</b>	±3% RH at 0 to 90% RH; ±5% RH at 90 to 100% RH
<b>Temperature Range</b>	-52 to +60°C
<b>Temperature Accuracy</b>	±0.3°C (at 20°C)
<b>Sensor Dimensions</b>	9.4" Height x 4.7" Diameter
<b>Cable Length</b>	100 ft. standard; Custom lengths available
<b>Power</b>	Includes AC power adapter
<b>Contents</b>	(1) WXT520 multi-parameter weather transmitter (1) weatherVIC software CD (1) 12V AC Power supply (1) Pre-wired 100' PC cable with DB-9 connector



## parts list

Part #	Description
<b>weatherVIC</b>	PC-Based weather station, Vaisala WXT520, weatherVIC software, 100' PC cable, & 12 V power supply
<b>weatherVIC-H</b>	Heated PC-Based weather station, Vaisala WXT520 heated, weatherVIC software, 100' PC cable, & 12 V power supply
<b>1001-U</b>	iChart software upgrade from weatherVIC, for use with Vaisala WXT520 direct-to-PC
<b>M-ARM-E</b>	Weather sensor mounting arm, 3'
<b>212792</b>	Mounting kit, adapts to 3/4" pipe (improves classification from IP-65 to IP-66)
<b>WXT510-M</b>	Mounting kit for Vaisala WXT & WMT sensors, fits 2" male pipe thread
<b>212793</b>	Bird spike kit



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