

# Applied Technologies, Inc.

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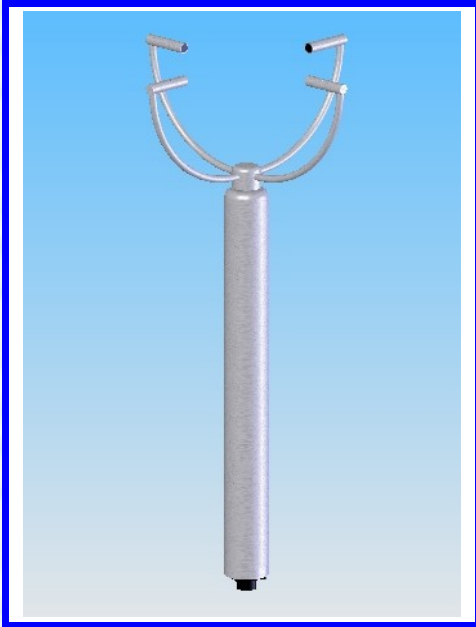
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## SPAS - Solid State Wind Sensor

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### FEATURES

- No moving parts
- Digital and Analog outputs
- Time proven design
- Sensor emulation
- Replaces many other anemometers
- 16 point wind tunnel calibration
- Low power
- Solid-state digital operation

### GENERAL

The Model SPAS/2Y Solid State Wind Sensor is the latest member of Applied Technologies, Inc.'s Sonic Anemometer product line. This sensor offers high quality performance in an inexpensive package.

The SPAS/2Y Wind Sensor is a continuation of the Sonic Wind Sensors developed 25 years ago, and contains the same wind distortion algorithm and factoring that have been proven and accepted around the world.

Data from the instrument is digital for direct connection to data loggers, computers, and systems.

The instrument is designed to perform with the wind speed rates and accuracy of the research sonic, but with the wind directions accuracy of the commercial sonic. Optional heating permits continuous operation during heavy ice and snow.

## **SPECIFICATIONS**

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<b>Range</b>	<b>0-30 m/s for wind speed 0-359° for wind direction -40 to +60°C Temperature</b>
<b>Resolution</b>	<b>0.01 m/s for wind speed 0.1° for wind direction 0.01°C for temperature</b>
<b>Accuracy</b>	<b>±0.01 m/s for wind speed ±3.0° for wind direction ±2.0°C for temperature</b>
<b>Operating Temperature</b>	<b>-40°C to +60°C</b>
<b>Digital Output</b>	<b>RS-232 standard RS-422/485 optional</b>
<b>Sampling Rate Data Output Rate</b>	<b>200 per second 10 per second (nominal) 20 per second (optional)</b>
<b>Rain/Snow</b>	<b>Can be heated</b>
<b>Operating Frequency</b>	<b>200 kHz</b>
<b>Power</b>	<b>9 – 18 VDC @ 100 ma</b>