



## What Do Air Temperature Sensors Do?



If you know anything about the weather or are interested in meteorology, you have probably heard of air temperature sensors. However, you may not be sure what they do or how they work. With the information provided, you will have everything that you need to purchase a quality device. You will also discover that this type of sensor is beneficial outside of the weather arena.

Start by learning about the [air temperature sensor](#) function. It is important to note that while the functionality is much the same for the different types and brands, each is somewhat unique. As an example, in addition to air temperature, some devices also track and report on relative humidity.

This sensor measures and calculates air temperature both indoors and outdoors. The model A70-T air temperature transmitter is one of the best products on the market. Based on the design of this device, it provides an analog signal in proportion to air temperature. Because this sensor comes with a radiation shield that reduces any effect of exposure to direct sunlight, it is accurate to +/- 1-degree Celsius. In simple terms, with a resistance

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temperature device or RTD made of nickel wire, the sensor detects temperature. As you can imagine, there are endless uses for a temperature sensor. For instance, a construction company can use the device to better schedule jobs. With crews working outside for a living, the company can monitor air temperature and humidity during the peak summer months to ensure that everyone stays adequately hydrated or works during cooler hours. There are also Intake Air Temperature Sensors (IATs), which monitor the temperature of air going into an automobile's engine. A display of the required information shows up on an engine computer. That way, technicians can balance out the air and fuel mixture. As for intake air temperature sensor cost, this all depends on the brand and type. For the most part, they these sensors are affordably priced.

## **Buying the Best**

To ensure accuracy using a sensor that measures and calculates air temperature, it is imperative that you buy the best. At Comptus, we offer a host of high-quality sensors and other devices at competitive rates. You can visit our website or call us today to learn more about our company and our full line of products. We are happy to assist you in any way possible so that you get the right device for your needs.

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