



### INTERNAL SENSORS

- **Ambient Temperature**  
Range: -40°C to +70°C  
Accuracy at 25°C: ±1.4°C  
Accuracy over Full Range: ±2.1%FS  
Measurement Resolution: 0.21°C

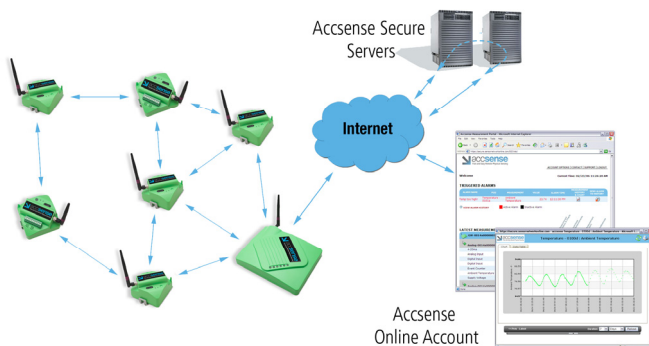
### EXTERNAL SENSORS

- **Type K Thermocouple**  
Thermocouple temperature  
Range: -200°C to +1200°C  
Measurement Resolution: 3.7°C  
Accuracy over 100°C to 1100°C  
Range: ±0.7% Range  
Accuracy at 25°C: 6±3°C  
Cold junction compensation  
range: 0°C to 70°C
- **100 ohm platinum  
RTD**  
alpha = 0.00385  
Source Current: 200 µA  
Range: -200°C to +600°C  
Measurement Resolution: 0.82°C  
Accuracy over full range: ±0.32%  
FS  
Accuracy at 25°C: ±0.21°C
- **0-5 Analog Input**  
Range: 0 to 5 V  
Resolution: 4.883 mV  
Accuracy: ±0.28 %FS  
Input impedance: 60 KΩ
- **Thermistor**  
Thermistor Temperature at 25°:  
10KΩ  
Range: -40°C to +112°C  
Accuracy over range of -10°C to  
+50°C: ±0.81% Range  
Accuracy at 25°C: ±0.5°C  
Measurement Resolution: 0.1°C
- **Contact Closure  
(Digital Input)**  
High Level Input Level (absolute  
max.): 10V  
High Level Input Level (min.): 2.4V  
Low Level Input (max.): 0.5V  
Input Impedance (input voltage  
<3.3V, contact closure): 100 KΩ  
Input Impedance (input voltage  
>3.3V): 3.3KΩ  
Min. Pulse Width/Contact Closure  
Time: 12.5ms

The Model A1-02 Temperature Wireless Sensor Pod is a component of the Accsense Remote Sensing System, which utilizes a variety of wireless Sensor Pods to take virtually any type of physical measurement and transmit it to a secure, web-based environment where different software tools may be used to store, manage, and interpret the data. For more information, visit [www.accsense.com](http://www.accsense.com)

### GENERAL SPECS

- **Physical Size**  
3.5 in x 3.25 in x 2 in.  
Weight: 8oz.
- **Time Stamp**  
Resolution: 1 second  
Accuracy: ±1 seconds
- **Power Options**  
5V DC input power supply  
(provided)  
*And/or*  
(3) AA Batteries (with low battery  
alarm)
- **Mounting Options**  
Wall, pipe, or DIN rail (w/adaptor)



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[www.accsense.com](http://www.accsense.com)