



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

- **Contact Closure (Digital Input 1)**

High Level Input Level (absolute maximum): 10V

High Level Input Level (minimum): 2.4V

Low Level Input (maximum): 0.5V

Input Impedance (input voltage <3.3V, contact closure): 100 KΩ

Input Impedance (input voltage >3.3V): 3.3KΩ

Minimum Pulse Width/Contact Closure Time: 12.5ms

- **Counter/Totalizer (Digital Input 2)**

High Level Input Level (absolute maximum): 10V

High Level Input Level (minimum): 2.4V

Low Level Input (maximum): 0.5V

Maximum Pulse Rate/Frequency: 2500 Hz

Minimum Pulse Width/Contact Closure Time: 200μs

Input Impedance (input voltage <3.3V, contact closure): 20 KΩ

Input Impedance (input voltage >3.3V): 3.3KΩ

Count Range: 2³² counts

(Event counter accumulates between server updates, then zeros.)

GENERAL SPECS

- **Physical Size**

3.5 in x 3.25 in x 2 in.

Weighs 8 oz.

- **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)

The Model A1-07 Digital Input 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

