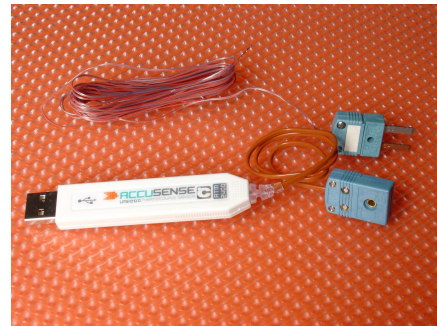


Thermocouple Sensors for the ATM2400 Measurement System

Features

- *UTS Series measures surface temperatures with $\pm 1^{\circ}\text{C}$ accuracy*
- *Sensors connect to the ATM2400 data hub*
- *Easy to use – just plug in and start measuring*
- *Electrically isolated up to 1500V.*
- *Suitable for T thermocouple wire, depending on model*
- *Excellent for measuring live electronics*
- *Thermocouple interchangeable with sensor body*



About the UTS1000

The AccuSense UTS1000 are thermocouple sensors for use with the ATM2400 Measurement System. The ATM2400 data hub holds up to 36 UTS1000 sensors. Now, users of the ATM2400 can obtain thermocouple measurements as well as airflow and airflow temperature measurements (see UAS1000 Series) in one instrument.

The UTS1000 has a measurement range of -50°C up to 150°C for the UTS1000T (with 30 AWG T thermocouple) or -50°C up to 250°C for the UTS1000K (with 30 AWG K thermocouple) and an accuracy of $\pm 1^{\circ}\text{C}$ for both versions. 24 AWG thermocouple gage wire can also be used with the UTS Series.

AccuTrac 2005 software allows you to collect, analyze and store the data quickly and easily. Data is collected for each sensor in an Excel format, with choice of statistical calculations of each sensor reading such as min/max, standard deviation, and averaging.

UTS Series General Specifications

| | |
|-------------------------------------|--|
| Operating temperature for connector | 10°C to 60°C |
| Storage temperature | 0°C to 80°C |
| Relative humidity (non-condensing) | 5-95% |
| UTS1000T measurement range | -50°C to 150°C with 30 AWG, -50°C to 204°C with 24 AWG |
| Warm-up time after power up | 5 seconds max |
| Accuracy | $\pm 1^{\circ}\text{C}$ |
| Supply voltage | Supplied by the ATM2400 data hub |
| USB/ATM2400 connector dimensions | 100 mm long X 17 mm wide X 8 mm thick |

Part Number Format

UTS1000T for T type

ATM2400 & UAS1000 sold separately.

Specifications subject to change without notice