

# REED

# THE RIGHT SOURCE THE RIGHT SOLUTIONS

## THERMO-ANEMOMETER/ DATA LOGGER

## TECHNICAL DATA

### FEATURES

- Measures air velocity as well as temperature with a type J/type K thermocouple thermometer
- Low friction ball-bearing, rotating vane probe ensures high accuracy readings
- Thermistor temperature sensor for a fast response time
- Air velocity is measured in m/s, fpm, km/h, mph or knots
- Temperature is measured in °C or °F
- Automatic temperature compensation
- Easy to read LCD with backlight
- Data hold and Max/Min record
- Real time data logger with integral 2GB SD memory card (OPTIONAL)
- Just plug the SD card into the computer and it downloads directly to EXCEL
- RS-232 and USB computer interface
- Auto or manual power off

### SPECIFICATIONS

**Air Velocity Range:** 0.4 to 30.0 m/s; 1.4 to 126.0 km/h; 0.9 to 78.3 mph; 79 to 6890 fpm; 0.8 to 68.0 knots  
**Resolution:** 0.1 m/s; 0.1 km/h; 0.1 mph; 1 fpm; 0.1 knot  
**Accuracy:** ±(2% rdg + 0.2 m/s; 0.8 km/h; 0.4 mph, 40 fpm; 0.4 knot)  
**Type K Temp. Range:** -100.0 to 1300.0°C (-148.0 to 2372°F)  
**Resolution:** 0.1°C/°F  
**Accuracy:** ±(0.4% +0.5°C/+1°F)  
**Type J Temp. Range:** -100.0 to 1200.0°C (-148.0 to 2192°F)  
**Resolution:** 0.1°C/°F  
**Accuracy:** ±(0.4% +0.5°C/+1°F)  
**Auto Sampling Time:** 1, 2, 5, 10, 30, 60, 120, 300, 600, 1800, 3600 seconds  
**Power Supply:** 6 x 1.5V UM3/AA batteries  
**Dimensions:** 203 x 76 x 38mm; Probe: ø 72mm dia.  
**Weight:** 515g



### ORDERING INFORMATION

- SD-4207** ..... [Thermo-Anemometer/Data Logger](#)  
**TP-01** ..... Type K Thermocouple Wire Probe  
**SD-2GB** ..... 2GB SD Memory Card  
**USB-01** ..... USB Cable  
**UPCB-01** ..... RS232 Cable  
**SW-U801-WIN** ..... Data Acquisition Software  
**BS-6** ..... Tripod  
**CERTIAN1** ..... Accredited Calibration Certificate

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



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## THERMO-ANEMOMETER/ DATA LOGGER

## TECHNICAL DATA

### FEATURES

- Measures air velocity as well as temperature with a type J/type K thermocouple thermometer
- Hot wire probe for precise low air velocity measurements
- Thermistor temperature sensor for a fast response time
- Air velocity is measured in m/s, fpm, km/h, mph or knots
- Temperature is measured in °C or °F
- Automatic temperature compensation (0 to 50°C/32 to 122°F)
- Easy to read LCD with backlight
- Data hold and Max/Min record
- Real time data logger with integral 2GB SD memory card (OPTIONAL)
- Just plug the SD card into the computer and it downloads directly to EXCEL
- RS-232 and USB computer interface
- Auto or manual power off

### SPECIFICATIONS

**Air Velocity Range:** 0.2 to 25.0 m/s; 0.7 to 72.0 km/h; 0.5 to 44.7 mph; 40 to 3940 fpm; 0.4 to 38.8 knots

**Resolution:** 0.1 m/s; 0.1 km/h; 0.1 mph; 1 fpm; 0.1 knot

**Accuracy:** ±(2% rdg + 0.2 m/s; 0.8 km/h; 0.4 mph, 20 fpm; 0.4 knot)

**Type K Temp. Range:** -100.0 to 1300.0°C (-148.0 to 2372°F)

**Resolution:** 0.1°C/°F

**Accuracy:** ±(0.4% +0.5°C/+1°F)

**Type J Temp. Range:** -100.0 to 1200.0°C (-148.0 to 2192°F)

**Resolution:** 0.1°C/°F

**Accuracy:** ±(0.4% +0.5°C/+1°F)

**Auto Sampling Time:** 1, 2, 5, 10, 30, 60, 120, 300, 600, 1800, 3600 seconds

**Power Supply:** 6 x 1.5V UM3/AA batteries

**Dimensions:** 203 x 76 x 38mm; Telescopic Probe: ø 12mm dia., 280mm to 940mm long

**Weight:** 515g



### ORDERING INFORMATION

**SD-4214 ..... Thermo-Anemometer/Data Logger**

**TP-01 ..... Type K Thermocouple Wire Probe**

**SD-2GB ..... 2GB SD Memory Card**

**USB-01 ..... USB Cable**

**UPCB-01 ..... RS232 Cable**

**BS-6 ..... Tripod**

**SW-U801-WIN ..... Data Acquisition Software**

**CERTIAN1 ..... Accredited Calibration Certificate**

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