Special product features

WIND SPEED
DIRECTIONAL AIR FLOW
MEASURE TEMPERATURE

# Model 1227

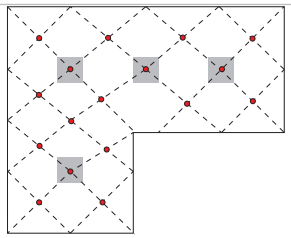
## Easily measure and record wind speed, air flow, and temperature

## ▶FEATURES

- Measures temperature and air measurements
- Dual line display
- User selectable wind speed or air flow measurement
- User selectable measurement units M/S, F/M, KM/M, M/H or M3/S, M3/H, L/S, CF/M
- Map mode profiles the illuminance map of the area or room by storing multiple measurements
- Removable anemometer with expandable cord up to 48”
- Min, Max and Average measurements stored
- Hold function freezes the display
- Spot or continuous recording up to 1 million measurements stored in 8MB flash memory
- Blue luminescent backlit display
- USB and Bluetooth communication
- Magnetic mount
- Battery or USB powered
- DataView® graphing and analysis software included

## ▶SPECIFICATIONS

| MODELS | 1227 | |
|---|---|---|
| | AIR SPEED | AIR FLOW |
| Measurement Range | 0.25 to 35.0m/s (49.0 to 6,890.0fpm) | 0.00 to 2,999m³/h |
| Accuracy | ±3% of R + 4 cts (0.25 to 2.99m/s)<br>±3% of R + 1 ct (3.0 to 35.0m/s) | 8% of R |
| Resolution | 0.01m/s from 0.25 to 2.99m/s<br>.1fpm from 49.0 to 99.9fpm<br>0.1m/s from 3.0 to 35m/s<br>1fpm from100 to 6,890fpm | 0.01m3/h from 0.00 to 2.99m³/h<br>0.1 m3/h from 3.0 to 99.9m³/h<br>1m3/h from 100 to 2.99fm³/h |
| Recording | Manual start/stop on the product<br>Short press for MEM: spot recording/long press for REC at the defined default rate<br>Programed recording: start date, recording interval, and end date defined using DataView® software | |
| **TEMPERATURE** | | |
| Sensor | CTN | |
| Accuracy | 32° to 122°F: ±1.4°F<br>-4° to 32°F: ±2.3°F | 0° to 50°C: ±0.8°C<br>-20° to 0°C: ±1.6°C |
| Resolution | 0.1°F | 0.1°C |
| **GENERAL** | | |
| Other Functions | MIN-AVG-MAX-HOLD | |
| Sampling Rate | Programmable from 1s, 2s, 5s, 10s, 20s, 30s, 2min, 5min, 10min, 15min, 30min, and 1hr | |
| MAP mode | The MAP mode can be used to map the air speeds on the surface of a room. In this case the measurements are saved in the same file | |
| Memory | 1,000,000 measurements on each channel (4MB). Recorded data is stored in non-volatile memory and will be retained even if battery is low or removed. | |
| Communication | USB 2.0 and Bluetooth 4.0 BLE range 1m typical | |
| Power Source | 3x1.5V AA (LR6) alkaline batteries or USB port (micro-USB adaptor offered as an accessory) | |
| Battery Life | 200 hrs., / 8 days when recording with 15 minutes intervals | |
| Dimensions | **Case:** 5.9 x 2.84 x 1.28" (150 x 72 x 32mm)<br>**Sensor:** 6.3 x 3.15 x 1.5" (160 x 80 x 38mm) | |
| Weight (with battery) | 14.1oz (400g) with batteries | |
| Case | Polycarbonate | |
| Operating temperature | 14° to 140°F (-10° to 60°C) | |
| Storage temperature | -4° to 140°F (-20° to 60°C) | |
| Relative Humidity | Up to 90% | |
| Ingress Protection (IP) | IP40 | |
| EMC | EN 61326-1 | |
| Safety Compliance | IEC 61010-1 | |
| Warranty | 2 years | |



*Measure and record multiple measurements to create a map of air flow of the room or area of interest*

| CATALOG NO. | DESCRIPTION |
|---|---|
| 2121.72 | Thermo-Anemometer Data Logger Model 1227 |