SD Card, real time data recorder
Air velocity, Air flow, Humidity, Dew point, Type K/J Temp.

ANEMOMETER metal vane

Model: AM-4247SD

ISO-9001, CE, IEC1010
**ANEMOMETER**

**Model**: AM-4247SD

**FEATURES**
- Two probes are included: Anemometer probe and Humidity/Temp. probe.
- 3 in 1: Anemometer, Humidity/Temp. meter, Type K/J thermometer.
- Metal vane probe, heavy-duty, wide range measurement.
- Air velocity: 0.5 m/s to 35.0 m/s, 0.1 m/s resolution.
- Air temperature (-25.3°C to 48.9°C).
- Dew point.
- Wet bulb temp.
- Real time SD memory card Datalogger, built-in Clock and Calendar, real time data recorder, sampling time set from 1 second to 3600 seconds.
- Manual datalogger is available (set the sampling time to 0), during execute the manual datalogger function, it can set different position.
- Infrared and easy operation, it is not needed to setup extra software, after execute datalogger, just take away the SD card from the meter and plug in the SD card into the computer, it can download the all the measured value with the time information (year/month/day/hour/minute/second) to the Excel directly, then user can make the further data or graphic analysis by themselves.
- SD card capacity: 1 GB to 16 GB.
- LCD with green light backlight, easy reading.
- Can default auto power off or manual power off.
- Auto hold, reads for different time.
- Microcomputer circuit, high accuracy.
- Power by USB/AA (1.5 V) or 6 batteries or DC 9V adapter.
- RS232/USB Computer interface.
- Separate probe, easy operation of different measurement environment.
- Wide applications: use this anemometer to check air conditioning & heating systems, measure air velocities, wind temperature, etc.

**GENERAL SPECIFICATIONS**

**Circuit**: Custom microprocessor LSI circuit.
**Display**: LCD size: 32 mm x 38 mm LCD with green backlight (ON/OFF).
**Function**: 
- Temperature (°C, °F).
- Humidity (°C, °F, %RH).
- Air velocity: m/s (meters per second), km/h (kilometers per hour), ft/min (feet per minute).
- Knobs (nautical miles per hour).
- Air temperature: °C, °F.
- Flow rate: CFM (ft3/min), CMM (m3/min).
**Measurement Setting range**:
- Auto: 0 to 80°C / 0 to 180°F, 0 to 63,000 CMM, 0 to 1000 CFM.
- Manual: Push the data logger button once will save data one time. **Set sampling time to 0 second**.
- Manual mode, can also select the 1 to 99 position (Location) no.

**Memory Card**
- SD memory card: 1 GB to 16 GB.

**Advanced setting**
- Set clock time (year/month/day/hour/minute/second).
- Decimal point of SD card setting.
- Auto power OFF management.
- Set deep sound ON/OFF.
- Set thermometer type to Type K or Type J.
- Set temperature unit to °C or °F.
- Set sampling time.
- SD memory card format.

**Temperature Compensation**: Automatic temp. compensation for the Type K/J thermometer.

**Data Hold**: Freeze the display reading.
**Memory Recall**: Average & Minimum value.
**Sampling Time of Datalogger**: Approx. 1 second.
**Data Output**: RS 232/USB PC computer interface.
- Connect the optional RS232 cable.
- Connect the optional USB cable.

**ELECTRICAL SPECIFICATIONS** (23±5°C)

**Air temperature**
- Measurement Range: -5°C to 50°C.
- Resolution: 0.1°C, 1.0°F.

**Humidity / Temperature**
- Measurement Range: 0%RH to 95%RH.
- Resolution: 1.0%RH.
- Accuracy: ±(3% reading + 1% RH).

**Flow Point (Humidity)**
- °C: 25.0°C to 48.9°C.
- °F: 77.0°F to 120.1°F.

**Dew Point (Humidity)**
- °C: 20% to 95%.
- °F: 60% to 130%.

**Wet bulb (Humidity)**
- °C: 21.6°C to 50°C.
- °F: 70°F to 122°F.

**Power**
- 9V adapter input.
- DC 9V adapter plug.
- Power consumption: Normal operation (w/o SD card save and LCD backlight is OFF): Approx. OC 15 mA.
- When SD card save the data and LCD backlight is OFF: Approx. OC 36 mA.
- Weight: 347 g/0.76 LB.
- Dimensions: 71.1 x 27.3 x 140.9 mm.
- LCD with green backlight (ON/OFF).

**ACV PATENT**
- CHINA: ZL 2008 2 0189917.0.
- CHINA: ZL 2008 2 0189918.5.
- JAPAN: H 350043.
- TAIWAN: M 35870.
- Japan: 2008 016 337.4.

**Type K/J Thermometer**
- Sensor type: Type K, Type J.
- Resolution: 0.5°C or 0.1°F.
- Accuracy: ±(0.8% + 0.8°C or 0.4°F).
- Operating temperature: -25°C to 48°C.
- Operating humidity: 0% to 95% RH.

**Power Supply**
- Battery: 9V alkaline battery.
- Power adapter: 9V AC adapter.

**Appearance and specifications listed in this brochure are subject to change without notice.**

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