SD card real time data recorder, + type K/J Temp.
Mini vane, Air flow ( CMM, CFM )

ANEMOMETER

Model : AM-4233SD

ISO-9001, CE, IEC1010
**Mini vane ANEMOMETER + type K/J Temp.**

**Features**
- Mini vane with 35mm Dia., low friction ball bearing mounted with shielded design provides high accuracy at high and low air velocity.
- Telescope probe, extension length 620 mm max.
- Replacement anemometer van set.
- Air velocity: m/s, FL/min, Km/h, Knot, Mile/h.
- Air flow (CFM, CMM) measurement.
- Air temperature (°C, °F).
- Air Temp. used thermistor sensor, fast response time.
- Fast humidity measuring response time.
- Type K, Type J thermocouple thermometer.
- Real time SD memory card Datalogger, it 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 the different position (location) No. (position 1 to position 99).
- Innovation and easy operation, computer is not need 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 down load all the the measured value with the time information (year/month/date/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.
- Check auto power off or manual power off.
- Data hold, record max. and min. reading.
- Microcomputer circuit, high accuracy.
- Power by UMS/AA (1.5 V) x 6 batteries or DC 9V adapter.
- RS232/USB PC COMPUTER interface.
- Separate probe, easy for operation.

**General Specifications**
- Circuit: Custom one-chip of microprocessor LSI circuit.
- Display: LCD size: 52 mm x 38 mm.
  - LCD with green light backlight (ON/OFF).
- Measurement Unit:
  - Air velocity: m/s (metres per second)
  - Km/h (kilometers per hour)
  - Ft/min (FPM, feet per minute)
  - Knott (nautical miles per hour)
  - Mile/h (mph, miles per hour)
  - Air flow:
  - CFM, CMM
  - °C, °F
- Datalogger Sampling Time Setting range:
  - Auto: 1 second to 3600 seconds
- Memory Card:
  - SD memory card, 1 GB to 16 GB.
- Advanced setting:
  - Set clock time (Year/Month/Date, Hour/Minute/Second)
  - Set sampling time
  - Auto power OFF management
  - Set beep Sound ON/OFF
  - Decimal point of SD card setting
  - SD memory card Format
  - Set thermometer type to Type K or Type J
  - Set temperature unit to °C or °F
  - Set air flow type (CFM, USA, CMM, EURO)
  - Set air flow area dimension
- Data Hold: Freeze the display reading.
- Memory Recall: Maximum & Minimum value.
- Sampling Time of Display: Approx. 1 second.
- Operating Temperature: 0 to 50 °C.
- Appearance and specifications listed in this brochure are subject to change without notice.

**Electrical Specifications (23±5 °C)**

**Air velocity**
- Measurement Range: m/s 0.4 to 20.0 m/s
- Resolution: 0.1 m/s
- Accuracy ± (5% + a) reading
- Km/h 1.4 to 72.0 km/h
- 0.1 km/h
- Mile/h (MPH)
- 1.0 to 44.7 mph
- 0.1 mph
- Knot 0.8 to 38.8 knot
- 0.1 knot
- Fm/min 78-3940 ft/min
- 1 ft/min
- °C 0 to 50 /32 to 122
- °F
- °C
- °F
- °F
- °F
- °F

**Air temperature**
- Measurement Range: 0°C to 50°C/32°F to 122°F
- Resolution: 0.1°C /0.1°F
- Accuracy ± 0.8°C/1.5°F

**Air flow**
- Measurement Range: CMM ( m^3/min. ) 0 to 54,000 CMM
- Resolution: 0.001 to 30.000 m^3/min
- Accuracy ± 0.841 - 1.85

**Type K/J thermometer**
- Sensor Type: °C
- Resolution Range: -58.0 to 1300.0 °C
- Accuracy: ± (0.4 % + 0.5 °C)
- °F
- Resolution Range: -58.0 to 1300.0 °F
- Accuracy: ± (0.4 % + 1.8°F)

**Operating Humidity**
- Less than 85% R.H.

**Data Output**
- RS 232/USB PC computer interface.
- Connect the optional RS232 cable
- UPCB-02 will get the RS232 plug.

**Power Supply**
- Alkaline or heavy duty DC 1.5 V battery
- Use the optional USB cable
- USB-01 will get the USB plug.

**Power Current**
- Normal operation (w/o SD card save data and LCD Backlight is OFF):
  - Approx. DC 30 mA.
- When SD card save the data and LCD Backlight is OFF:
  - Approx. DC 50 mA.

**Weight**
- 347 g / 0.76 LB.
- Meter only

**Dimensions**
- 182 x 73 x 47.5 mm
- (7.1 x 2.9 x 1.9 inch)
- Anemometer sensor probe: Round, 35 mm Dia.

**Accessories**
- Instruction manual: 1 PC
- Anemometer probe: 1 PC
- Soft carrying case (CA-05B): 1 PC

**Optional Accessories**
- SD memory card (4 GB)
- Replacement anemometer van set.
- Type K thermocouple probes.
- AC to DC 9V adapter.
- USB-L1.
- RS232 cable, UPCB-02.
- Data Acquisition software, SW-UR01-WIN.
- Excel Data Acquisition software, SW-IE802

**Electrical Specifications**

**Model: AM-4233SD**

**Technical Specifications**

- Air flow: CMM, CFM
- Type: K, J
- Resolution: 0.001 to 100 CFM
- Accuracy: ± (0.4 % + 1.8°F)
- Special: ± (0.4 % + 1.8°F)
- humid: ± (0.4 % + 0.5 °C)
- Data Output: RS 232/USB PC computer interface.