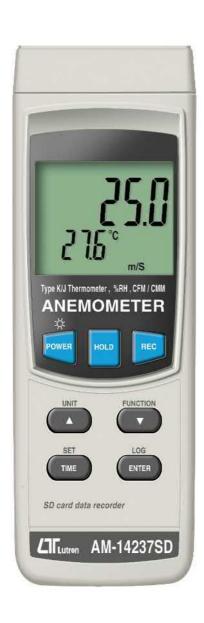
SD card real time data recorder Air velocity, Air flow, Humidity, Dew point, Type K/J Temp.

ANEMOMETER

Model: AM-14237SD *ISO-9001, CE, IEC1010*









The Art of Measurement

SD Card real time data recorder

Humidity/Temp., type K/J Temp., Air flow

ANEMOMETER

Model: AM-14237SD

FEATURES
* Two probes are included :
Anemometer probe and Humidity/Temp. probe.
* 3 in 1 : Anemometer, Humidity/Temp. meter, Type J/K
thermometer.
* ABS plastic vane pobe, heavy duty.
* Air velocity : m/S, Ft/min, Km/h, Knots, Mile/h,
* Air temperature (°C, °F)
* Air flow : CMM, CFM.
* Low-friction ball vane wheels make sure high accuracy
in high & low velocities.
* Type K, Type J thermocouple thermometer.
* Air Temp. used thermistor sensor, fast response time.
* Humidity/%RH : 10 to 95 %RH.
* Dew point. Wet bulb Temp
* 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 the all 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.
* Can default auto power off or manual power off.
* Data hold, record max. and min. reading.
* Microcomputer circuit, high accuracy.
* Power by UM3/AA (1.5 V) x 6 batteries or DC 9V adapter.
* RS232/USB PC COMPUTER interface.
* Separate probe, easy for operation of different
measurement environment.
* Wide applications: use this anemometer to check air
conditioning & heating systems, measure air velocities,
wind temperatureetc.

Power Current	Normal operation (w/o SD card save		
ower current	data and LCD Backlight is OFF) :		
	Approx. DC 15 mA.		
	When SD card save the data and LCD		
	Backlight is OFF) :		
	Approx. DC 36 mA.		
Weight	347 g/ 0.76 LB. * Meter only		
Dimension	Main instrument :		
	182 x 73 x 47.5 mm		
	(7.1 x 2.9 x 1.9 inch)		
	Anemometer sensor head :		
	Round, 72 mm Dia.		
	Humidity Probe :		
	197 mm (7.8 inch) in length.		
Accessories	* Instruction manual1 PC		
Included	* Anemometer probe 1 PC		
	* Humidity probe1 PC		
	* Hard carrying case (CA-06)1 PC		
Optional	SD Card (2 G)		
Accessories	Type K thermocouple probe.		
	AC to DC 9V adapter.		
	USB cable, USB-01.		
	RS232 cable, UPCB-02.		
	Data Acquisition software, SW-U801-WIN.		
	Excel Data Acquisition software, SW-E802.		

ELECTRICAL SPECIFICATIONS (23 \pm 5 °C)

Air velocity

Measurement	Range	Resolution	Accuracy
m/S	0.4 - 25.0 m/s	0.1 m/S	± (2%+0.2 m/S)
Km/h	1.4 - 90.0 km/h	0.1 Km/h	± (2%+0.8 Km/h)
mph (Mile/h)	0.9 - 55.9 mile/h	0.1 mph	± (2%+0.4 mph)
Knots	0.8 - 48.6 knots	0.1 Knots	± (2%+0.4 Knots)
FPM (Ft/min)	80 - 4930 ft/min	1 FPM	± (2%+40 FPM)

Air temperature

Measuring Range	0 °C to 80 °C/32 °F to 176 °F
Resolution	0.1 ℃/0.1 °F
Accuracy	0.8 ℃/1.5 °F (< 60 °C)

GENERAL SPECIFICATIONS Circuit Custom micro

Operating Temperature Operating Humidity Power Supply
* Battery

Power Supply * ACV

Display LCD size: 52 mm x 38 mm LCD with green backlight (ON/OFF). Anemometer (Air velocity, Air flow). Humidity/Temp. meter. Type J/K thermometer. Air velocity: m/S (meters per second) Km/h (kilometers per hour) Ft/min (FPM, feet per minute) Knots (nautical miles per hour) Mile/h (mph, miles per hour) Air temperature: "C, "F Air flow: CMM, CFM. Humidity/Temp.: "9RH/"C or "F. Dew point (Humidity): "C or "F. Type K/ Type J thermometer: "C, "F Auto 1, 2, 5, 10, 30, 60, 120, 300, 600, 1800 3600 second. © Sampling Time Setting range Manual mode, can ast to 1 second, but memory data may loss. Manual Memory Card Advanced Set thes sampling time to 0 second. © Manual mode, can also select the 1 to 99 position (Location) no. Memory Card Advanced Setting Advanced Setting Time Set teleperature unit to "C or "F" Set seep Sound ON/OFF" Set temperature unit to "C or "F" Set sampling time "So memory card Format Automatic temp. compensation for the type K/J thermometer. Compensation Data Hold Memory Recall Memory Recall Memory Recall Memory Recall Approx. 1 second. RS 232/USB PC computer interface. "Connect the optional RS232 cable UPCB-02 will get the USB plug. Operating Operating Operating Operating Less than 85% R.H.	GENERAL SPEC				
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Air flow	

Measurement	Range	Resolution
CMM (m^3/min.)	0 to 63,000 CMM	0.001 to 1 CMM
CFM (ft^3/min.)	0 to 2,224,900 CFM	0.001 to 100 CFM

Measurement	Area
CMM (m^3/min.)	0.001 to 30.000 m^2
CFM (ft^3/min.)	0.01 to 322.93 ft^2

Humidity/ Temperature

	Range	5 % to 95 % R.H.	
Humidity	Resolution	0.1 % R.H.	
-	Accuracy	≥70% RH:	
	1	± (3% reading + 1% RH).	
		< 70% RH :	
		± 3% RH.	
	Range	0 °C to 50 °C,32 °F to 122 °F.	
Temperature	Resolution	0.1 degree	
	Accuracy	°C ± 0.8 °C. °F ± 1.5 °F.	
	1	°F ± 1.5 °F.	

Dew Point (Humidity)

°C	Range	-25.3 ℃ to 48.9 ℃
	Resolution	0.1 ℃
°F	Range	-13.5 °F to 120.1 °F.
	Resolution	0.1 °F.
Domark .		

- Remark:

 * Dew Point display value is calculated from the Humidity/Temp. measurement automatically.

 * The Dew Point accuracy is sum accuracy value of Humidity & Temperature measurement..

Wet bulb (Humidity)

°C	Range -21.6 °C to 50.0 °C	
	Resolution	0.1 ℃
°F	Range	-6.9 °F to 122.0 °F.
	Resolution	0.1 °F.

- Wet bulb display value is calculated from the Humidity/Temp. measurement automatically.
 * The Welt bulb accuracy is sum accuracy value of Humidity & Temperature measurement..

Type K/J thermometer

Sensor Type	Resolution	Range	Accuracy
Type K	0.1 ℃	-50.0 to 1300.0 °C	± (0.4 % + 0.5 °C)
	0.4 (7)	-50.1 to -100.0 ℃	± (0.4 % + 1 °C)
	0.1 °F	-58.0 to 2372.0 °F -58.1 to -148.0 °F	± (0.4 % + 1 °F) ± (0.4 % + 1.8 °F)
Type J	0.1 ℃	-50.0 to 1200.0 ℃	± (0.4 % + 0.5 °C)
		-50.1 to -100.0 ℃	± (0.4 % + 1 °C)
	0.1 °F	-58.0 to 2192.0 °F	± (0.4 % + 1 °F)
		-58.1 to -148.0 °F	± (0.4 % + 1.8 °F)

PATENT	CHINA: ZL 2008 2 0189918.5 ZL 2008 2 0189917.0		TAIWAN: M 358970 M 359043	
	Germany: Nr. 20 2008 016 337.4	JAPAN : 3151214	U.S.A. : Pending	
+ Annual and an afficial and in this bank are an arbitrate above and all the standards				0.40007 4144.40070D

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

Alkaline or heavy duty DC 1.5 V battery (UM3, AA) x 6 PCs, or equivalent.

ADC 9V adapter input. (AC/DC power

adapter is optional).