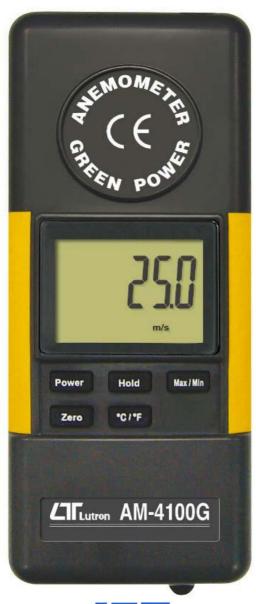


hybrid power, + Type K thermometer, Patent

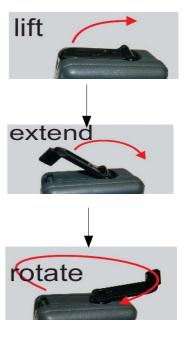
# GREEN POWER ANEMOMETER

Model: AM-4100G *ISO-9001, CE, IEC1010* 





No barrery, Generator power







The Art of Measurement

## Green power, Hybrid power

# ANEMOMETER + type K Temp.



Model: AM-4100G

### **FEATURES**

*	Hybrid power, power supply from green power ( handy
	generator ) or battery. If power source come from "
	Green power ", battery is no need. Wind-up the
	generator 20 seconds will offer several minutes energy
	typically.
*	2 in 1 professional measuring instrument : Anemometer,
	and Type K Thermometer.
*	Anomomotor use low friction hall bearing mounted

- Anemometer use low-friction ball bearing mounted wheel design provides high accuracy at high and low air
- Anemometer use the separate probe, convenient for measurement.
- Standard type K (NiCr-NiAl) thermocouple input jack suitable for all kinds of type K probe.
- Concise and compact buttons arrangement, easy operation.
- Memorize the maximum and minimum value with recall.
- °C/°F detection by pressing button on the front panel.
- \* Air velocity measuring units selection by pressing button on the front panel for five kinds of units.
- \* Two channel display for measuring air velocity and temperature value at the same time.
- \* Hold function to freeze the current reading value.
- Microprocessor circuit assures high accuracy and reliable performance.
- \* Auto power shut off to battery life or manual power off.
- \* Using the durable, long-lasting components and a strong lightweight ABS-plastic housing case.

### **GENERAL SPECIFICATIONS**

Circuit	Custom one-chip of microprocessor LSI		
	circuit.		
Display	40 mm x 32 mm LCD (Liquid crystal		
	display).		
Measurement	Anemometer :		
	m/s ( meters per second )		
	km/h ( kilometers per hour )		
	ft/min ( feet/per minute )		
	knots ( nautical miles per hour )		
	mile/h ( miles per hour )		
	Temperature - °C , °F		
	Type K thermometer		
	°C, °F		
Sensor	Anemometer :		
Structure	* Air velocity :		
	Conventional twisted van arm and		
	low friction ball bearing design.		
	* Temperature : Precision thermistor.		
	Type K thermometer		
	Type K thermocouple.		
Data Hold Freeze the display reading.			
Memory	Maximum and Minimum reading values can		
Recall	be saved and retrieved by record function.		
Power off	Auto shut off saves battery life or manual		
	off by push button.		

"" symbol on the display.
0 °C to 50 °C (32 °F to 122 °F).
Max. 80% RH.
Approx. 1 second.
432 g/0.95 LB ( w/o battery ).
Meter: 170 x 70 x 39 mm (6.7 x 2.8 x 1.1.5 inch).
Anemometer probe head :
Round, 72 mm Dia.
Green power :
Power from the handy generator, battery is
no need.
Battery power :
DC 9V battery, 006P, MN1604 ( PP3 ) or
equivalent.
* Alkaline or heavy duty type.
HIRAIIIC OF FICALLY CALLY LYPE.
Battery power: Approx. DC 10 mA.
Battery power : Approx. DC 10 mA.
Battery power : Approx. DC 10 mA.  Instruction manual1 PC

### ELECTRICAL SPECIFICATIONS (23 $\pm$ 5 $^{\circ}$ C)

Measurement		Range	Resolution
Air velocity	m/s	0.4 - 25.0 m/s	0.1 m/s
	km/h	1.4 - 90.0 km/h	0.1 km/h
	MPH	0.9 - 55.9 mile/h	0.1 MPH
	knots	0.8 - 48.6 knots	0.1 knots
	ft/min	80 - 4930 ft/min	1 ft/min
	Temperature	32 to 122 °F	0.1 °F
	( Semiconductor)	0 to 50 ℃	0.1 ℃

Measurement	Range	Resolution
Thermometer ( Type K )	-148 to 2372 °F	0.1 °F
	-100 to 1300 ℃	0.1 ℃

Measurement	Range	Accuracy
Air velocity	0.4 - 25.0 m/s	
	1.4 - 90.0 km/h	$\leq$ 20 m/s : ± 3% F.S.
	0.9 - 55.9 mile/h	> 20 m/s : ± 4% F.S.
0.8 - 48.6 knots		
	80 - 4930 ft/min	
	32 to 122 °F	± 2.5 °F
	0 to 50 ℃	± 1.2 ℃
Thermometer	-148 to 2372 °F	± (1% rdg + 2°F)
(Type K)	-100 to 1300 ℃	± (1% rdg + 1°C)
Remark :		

ft/min : feet per minute MPH: miles per hour m/s: meters per second knots : nautical miles per hour

Ft-cd : feet candle km/h : kilometers per hour

PATENT	CHINA: ZL200620012764.3	GERMANY: Nr.202006007329.9	TAIWAN: M299401
	JAPAN: 3130269	U.S.A. : PENDING	

<sup>\*</sup> Appearance and specifications listed in this brochure are subject to change without notice.