+ Temperature

# ANEMOMETER

Model: LM-81AT

ISO-9001, CE, IEC1010





The Art of Measurement

# ANEMOMETER

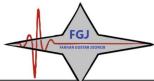
# Model: LM-81AT

#### **FEATURES**

- \* Measure and display the Air velocity ( wind speed ) and temperature value at the same time.
- \* Tiny bone shape with lightweight and small size case design are suitable for handling with one hand.
- \* Wristlet design provides extra protection to the instrument especially for user one hand operation.
- Low-friction ball bearing mounted vane wheel design provides high accuracy at high and low air velocity.
- Build in microprocessor circuit assures excellent performance and accuracy.
- Concise and compact buttons arrangement, easy operation.
- \* Memorize the maximum and minimum value with recall.
- \* Air velocity measuring units selectable by pressing button on the front panel for five kinds of units.
- Hold function to freeze the current reading value.

# FGJ-NDT.IR **DIGINDT.IR**

# **Q** Tehran, Tehransar



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Operating	Max. 80% RH.		
Humidity			
Operating	0 to 50° C (32 to 122° F)		
Temperature			
Over Input	Indication of " "		
Display			
Power Supply	006P DC 9V battery (Heavy duty type)		
Power	Approx. DC 8 mA		
Consumption			
Weight	153 g/0.34 LB * battery included		
Dimension	156 x 60 x 33 mm		
	6.14 x 2.36 x1.29 inch		
Standard	Instruction Manual		
Accessory			
Optional	Carrying case, CA-52A		
Accessories			

#### GENERAL SPECIFICATIONS

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Measurement	Air velocity, Temperature			
	m/s (meters per second),			
	km/h (kil <mark>ome</mark> ters per hour),			
	ft/min (fe <mark>et/</mark> per minute),			
	knots (na <mark>uti</mark> cal miles per hour),			
	mile/h(mil <mark>es</mark> per hour),			
	Temp °C, °F			
Circuit	Custom one-chip microprocessor LSI			
	circuit.			
Display	LCD size: 19 mm x 32 mm.			
	Dual display to show the air velocity			
	and the temperature at the same time.			
Sensor	Air velocity sensor :			
Structure	Conventional twisted vane arms and			
	low-friction ball-bearing design.			
	Temperature sensor :			
	Precision thermistor.			
Memory	Records Maximum, Minimum readings			
Recall	with recall.			
Power off	Manual off by push button or Auto shut			
	off after 10 minuite(Not activated during			
* Annouronce and an	memory record function).			

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

## Air Velocity

Unit	Range	Resolution	Accuracy
ft/min	80 to 5910 ft/min	1 ft/min	≦ 20 m/s :
m/s	0.4 to 30.0 m/s	0.1 m/s	± 3% F.S.
km/h	1.4 to 108.0 km/h	0.1 km/h	> 20 m/s :
MPH	0.9 to 67.0 mile/h	0.1 MPH	± 4% F.S.
knots	0.8 to 58.3 knots	0.1 knots	

#### Remark :

ft/min: feet per minute

m/s: meters per second

km/h : kilometers per hour

knots : nautical miles per hour

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MPH: miles per hour

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## Air temperature

Measuring Range	0 ℃ to 50 ℃/32 °F to 122 °F
Resolution	0.1 ℃/0.1 °F
Accuracy	± 0.8 °C/1.5 °F

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

0609-LM81AT