

# Datasheet

## AKTAKOM ATE-1002 Digital Anemometer



The portable anemometer provides fast, accurate readings, with digital readability and the convenience of a remote sensor separately. Cord long 43" inseparable.

### Features:

- The portable anemometer provides fast, accurate readings, with digital readability and the convenience of a remote sensor separately.
- Multi-functions for air flow measurement: m/s, km/h, ft/min, knots.
- Build in temperature °C, of measurement with a Thermistor sensor for fast temperature response time.
- Low-friction ball-bearing design allows free vane movement, resulting in accuracy at both high & low velocities.
- A sensitive balanced vane wheel rotates freely in response to air flow.
- Conventional twisted vane arms, always a source of unreliability have been eliminated.
- DATA HOLD functions for stored the desired value on display. Large LCD display easy to read.
- LCD display for low power consumption & clear read-out even in bright ambient light condition.
- Used the durable long-lasting components, including a strong, light weight ABS-plastic housing case.
- Compact housing cabinet, easy to carry out.
- Low battery indicator built-in.

- Wide applications: use this anemometer to check air conditioning & heating systems, measure air velocities, wind speeds, temperature ... etc.

## Specifications:

Display	18mm (0.7") LCD (Liquid Crystal Display), 3 1/2 digits	
Measurement	m/s (meters per second), km/h (kilometers per hour), ft/min (feet/per minute), knots (nautical miles per hour), Temperature °C or °F Data hold.	
Operating Temperature	0°C to 50°C (32°F to 122 °F)	
Operating Humidity	Less than 80 % RH	
Air Velocity Sensor Structure	Conventional twisted vane arms and low-friction ball-bearing design	
Temp. Sensor	Precision Thermistor sensor	
Power Supply	006P DC 9V battery (heavy duty type)	
Power Consumption	Approx. DC 9 mA	
Weight	325 g/0.72 lb (including battery).	
Dimension	Instrument	6.6 x 3.2 x 1.2 inch (168 x 80 x 35mm)
	Sensor Head	Round, 72 mm Diameter

## Electrical specifications (23 ± 5 °C):

Measurement	Range	Resolution	Accuracy
m/s	0.4-30.0 m/s	0.1 m/s	± (2 % + 0.2 m/s)
Km/h	1.4-108.0 km/h	0.1 km/h	± (2 % + 0.8 Km/h)
Ft/min	80-5910 ft/min	10 ft/min	± (2 % + 0.4 knots)
knots	0.8-58.3 knots	0.1 knots	± (2 % + 40 ft/min)

## Temperature:

Measurement	Range	Resolution	Accuracy
°C	0°C to 60°C	0.1°C	± 0.8 °C
°F	32°F to 140°F	0.1°F	± 1.5 °F