


INTRODUCTION

AVM-01 is a Stable, Safe, Reliable Mini Digital Anemometer, widely used in Mining, Power, Iron and Steel, Petrochemical, energy-saving, navigation, Fan manufacturing, Exhaust ventilation, sporting and many more industries.

- Measures is multiple units m/sec, km/hr, knots, mph, ft/min.
- Displays Temperature of air along with wind speed.
- Displays Beaufort Wind Scale.
- Has over-range and under-range indication.
- Records Max/Avg Readings.
- Backlit LCD Display
- WINDCHILL Notification.
- Data Hold to Freeze displayed data.

GENERAL TYPE

- LCD display : 4-bit LCD display. The displayed maximum is 9999.
- Overload indication : When the wind speed is over 45m/s or the temperature is lower than -10°C or higher than 50°C, "OL" will be displayed.
- Low battery display : Prompts "  " .
- Sampling rate : 2/s.
- Sensor type : Magnetic induction type wind speed sensor and NTC negative temperature coefficient sensor.
- When the temperature is lower than 0°C and the wind speed is over 5m/s, the meter shows "WINDCHILL".
- Impact strength : Can withstand the impact of landing from 1 meters height.
- Power requirement : 1.5V batteries (AAA) x 3
- Product size : 160 x 50 x 28mm
- Weight : 118g

ENVIRONMENT SPECIFICATION

- Indoor use
- Altitude height : 2000m
- Pollution level : 2
- Working temperature and humidity : 0°C ~ 40°C (not greater than 80%RH) 40°C ~ 50°C (not greater than 45%RH)
- Storage temperature and humidity : -20°C ~ 60°C (not greater than 75%RH)



*Technical Specifications & Appearance are subject to change without prior notice

ENVIRONMENT SPECIFICATION

- **Accuracy** : Wind speed : $\pm 5\%rdg + 0.5$; Temperature: $\pm 2^{\circ}C$
- **Environment temperature** : $23^{\circ}C \pm 5^{\circ}C$
- **Environment humidity** : $\leq 80\%RH$

TECHNICAL SPECIFICATION

1. Wind Speed and Temperature

Function	Range	Resolution	Accuracy	Description
Wind Speed	0 ~ 30m/s	0.1m/s	$\pm (5\%rdg+0.5)$	
	1.4 ~ 108 Km/h (refer only)		$\pm (5\%rdg+15dgts)$	
	0.7 ~ 58 Knots (refer only)		$\pm (5\%rdg+10dgts)$	
	0.8 ~ 67 mph (refer only)		$\pm (5\%rdg+10dgts)$	
	78 ~ 5905 ft/min (refer only)		$\pm (5\%rdg+180dgts)$	
Temperature	-10 ~ 50°C	0.1°C	$\pm 2^{\circ}C$	
	14 ~ 122°F	0.2°F	$\pm 4^{\circ}F$	
Beaufort Wind Scale	0 ~ 12	1	± 1	Only for reference.
Sampling Rate			0.5	Sampling rate is twice per second.
Overload Indication			OL	Shows "OL".
MAX/AVG			MAX/AVG	Shows "MAX/AVG".
Data Hold			HOLD	Shows "HOLD"
Backlight			BL	Manually tum on or off.
Auto Power off			5mins	Automatically power alf alter 5mns wihout operation.
Low Battery			3.0 ~ 3.5V	Show low battery prompt when power is 3.0 ~ 3.5V.
Wind Chill Notification			WIND CHILL	Wind speed with 5mls and Temperature under 0°C will be display "WIND CHILL".



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