**Air Velocity Meter
TM-740**

User's manual

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Table of Contents

1. Description

TM-740 measures air speed and temperature. It is ideal for spot measurements.
at air outlets on account of its 30mm vane. In addition to air speed and temperature.

2. Safety Precaution

⚠	**CAUTION**
	Be extremely careful for the following conditions while measuring.

- Do not operate the meter under the environment with explosive gas (material), combustible gas (material) steam or filled with dust.
- In order to avoid reading incorrect data, please replace the battery immediately when the symbol " 🔋 " appears on the LCD.
- In order to avoid the damage caused by contamination or static electricity, do not touch the circuit board before you take any adequate action.

- Operating Environment : Indoors use. This instrument has been designed for being used in an environment of pollution degree 2.
- Operation Altitude : Up to 2000M.
- Operating Temperature & Humidity : 5℃ ~ 40℃, 0%~ 80%RH.
- Storage Temperature & Humidity : -10℃ ~ 60℃, 0%~ 70%RH.
- EMC : EN61326-1(2006), IEC 61000-4-2(2008, IEC 61000-4-3(2006) + (2007).

3. Features

- 30mm 6 plastics vane.
- Light air response 0.4m/s.
- Air flow calculate function.
- Max/Min/Avg and data hold.
- Auto power off with disable function.

4. Specifications

General Specifications

- Display : Dual LCD display. The maximum value on the primary display is 9999. The maximum value on secondary display is 999.
- Low Battery Indicator : When the LCD displays " ▣➕➖ " symbol, please replace the battery.
- Sampling Rate : 1 sample per second.
- Power Supply : 2 batteries 1.5V AAA MN2400 LR03 AM4.
- Battery Life : 50 hours during consecutive use.
- Dimensions : 135 × 48 × 23 mm (L × W × H).
- Weight : 80g (excluding the battery).
- Accessories : User manual, battery, and carrying case.

- Operating Temperature and Humidity : 5°C ~ +40°C, <95% RH.
- Storage Temperature and Humidity : -10 to 60°C, <70% RH.

Electrical Specification:

Velocity:

Unit	Range	Resolution	Accuracy
m/s	0.4~25	0.1	±2% +0.2
Km/hr(kph)	1.5~90	0.1	±2% +0.8
mph	0.9~55	0.1	±2% +0.4
Knots(kts)	0.8~48	0.1	±2% +0.4
ft/min(fpm)	79~4921	1	±2% +40

Temperature:

Unit	Range	Resolution	Accuracy
℃	-20~50	0.1	±1℃
℉	-4~122	0.1	±1.8℉

Accessories:

- User manual.
- 1.5V battery (AAA MN2400 LR03 AM4)*2.
- Carrying case.

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5. AIR VELOCITY MEASURES

Fallow the arrows to measure velocity. As shown in figures.

ARROWS

	WARNING
⚠	Please don't touch the vanes by fingers or foreign body to avoid damage to the vanes.

6. Operation

6.1. Velocity Unit Button:
Select the m/s ➜ Knots(kts) ➜ft/min(fpm) ➜Km/hr(kph) ➜ mph.

6.2. CAL/℃/℉ Button:
Calibration of 10 m/s
1. Prepare the 10m/s velocity.
2. Press CAL button and POWER button more than 2 second the LCD will display CAL.
3. Unlocks buttons.
4. Press CAL button again more than 2 second the meter will shut down.
5. Correct succeed.

6.3. ℃/℉ Button:
Select ℃/℉.

6.4. MAX/MIN/AVG Button:
Press "MAX/MIN" button simultaneously Lockup data maximum and average and minimum value of measure data. Press the "MAX/MIN" button for more than 1 second to disable this feature.

6.5. Data Hold button:

Freezes the reading present on the LCD screen at the moment the button is pressed.

6.6. Power Button:

Press the " ⏻ " button more than 2 second to power on the meter.

6.7. Auto Power:

To save battery life, the meter powers down automatically after approximately 12 minutes of inactivity.

6.8. Enable/disable auto power off

Power Off by pressing the " ⏻ " button more than 2 second the LCD " $\circlearrowleft$ " symbol will disappear or enable.

7. Instrument Description

1. Vane.
2. Display (LCD).
3. Velocity unit select button.
4. Calibration and ℃/℉ button.
5. Data hold button.
6. Maximun/Average/minimum button.
7. Power Button : ON/OFF.

8 Battery Replacement

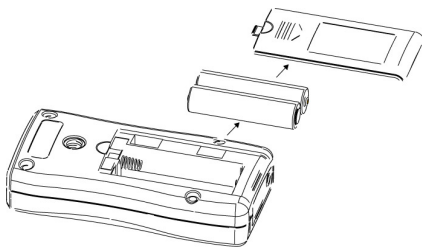|	WARNING
⚠	If the symbol " ➕➖" appears on the LCD, please replace the battery immediately.

1. Remove the battery cover.
2. Replace the battery.
3. Install the battery cover.

12. END OF LIFE

Caution : this symbol indicates that equipment and its accessories shall be subject to a separate collection and correct disposal.

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