



MAN 740

Digital Anemometer

Instruction Manual



Disclaimer

The manufacturer assumes no responsibility for any consequences resulting from the use or misuse of this product. Product specifications and manual content are subject to change without prior notice.

Part Number: 7603291
GTIN: 6298043998048

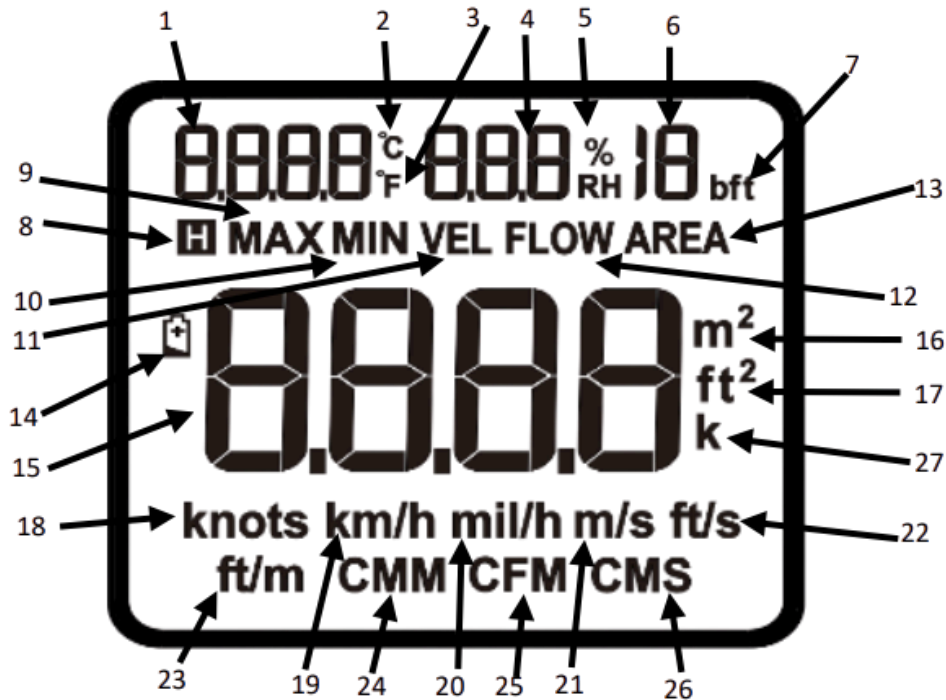


Part Number: 7603291
GTIN: 6298043998048

Introduction

Marmonix MAN 740 is a high-performance digital anemometer using an infrared laser and fan-blade sensing method. It measures wind speed, ambient temperature, and humidity, and displays wind speed and airflow in multiple units. It is widely applied in environmental monitoring, wind energy assessment, meteorological studies, industry, agriculture, environmental protection, highways, airports, ports, and other measurement scenarios.

Display Interface Instructions



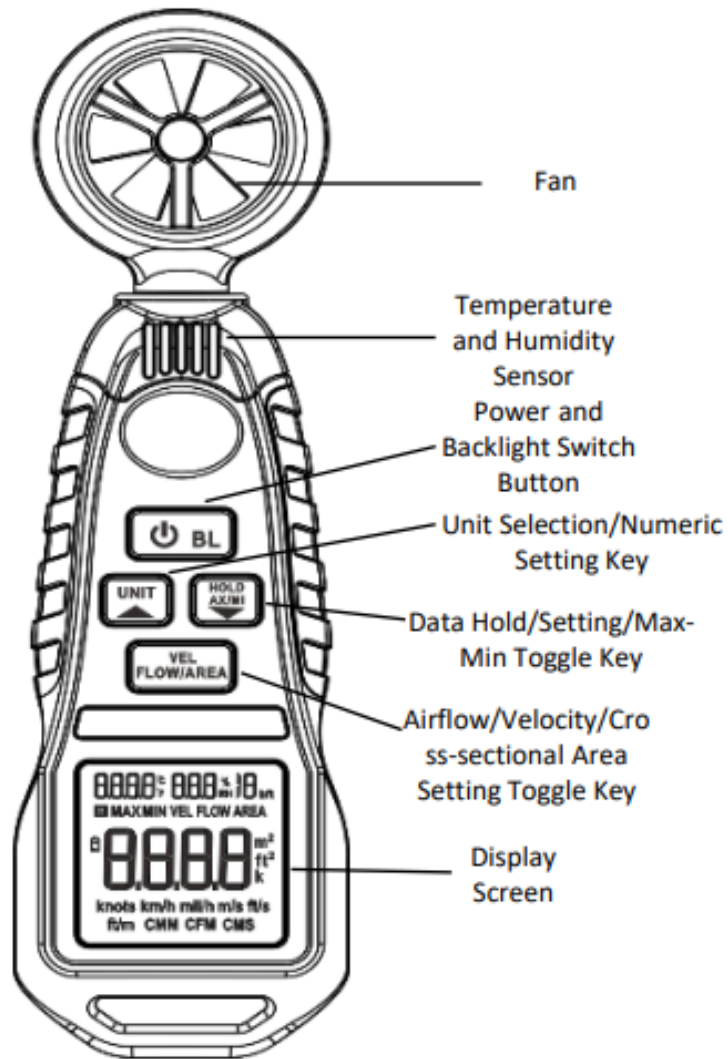
Display Symbol Instruction Reference Table

Number	Display Symbol	Description	Number	Display Symbol	Description
1	8.8.8.8	Temperature Reading	14	BL	Low Battery Indicator Symbol
2	°C	Celsius Unit	15	8.8.8.8	Wind Speed, Airflow Measurement Values
3	°F	Fahrenheit Unit	16	m ²	Square Meters
4	8.8.8	Humidity Reading	17	ft ²	Square Feet
5	%RH	Humidity Unit	18	knots	Nautical Miles per Hour
6	18	Wind Force Level	19	km/h	Kilometers per Hour
7	bft	Wind Force Level Unit	20	mil/h	Miles per Hour
8	H	Data Hold Prompt	21	m/s	Meters per Second
9	MAX	Maximum Value Measurement	22	ft/S	Feet per Second
10	MIN	Minimum Value Measurement	23	ft/m	Feet per Minute
11	VEL	Wind Speed Measurement	24	CMM	Cubic Meters per Minute
12	FLOW	Airflow Measurement	25	CFM	Cubic Feet per Minute
13	AREA	Duct Cross-sectional Area Setting	26	CMS	Cubic Meters per Second
			27	k	Counting Units (Thousand)

Key Instructions

- Power Button:** Hold for >2 seconds to power the device on or off. When powered on, short press toggles the backlight.
- Wind Speed/Volume Unit Switch Key:** In measurement mode, short press to switch units. In setting mode, short press to adjust values.
- Data Hold Key:** Short press to hold or release the current reading. Hold for >2 seconds to enter MAX/MIN measurement mode.
- Wind Speed/Volume Toggle Key:** Short press to switch between wind speed and airflow measurement. Hold for >2 seconds to enter duct cross-sectional area setting mode.

Digital Anemometer Parts



Before use, read this manual carefully and retain it for future reference.


Operating Instructions

(1) Wind Speed Measurement

1. Power on the anemometer; it defaults to “VEL” mode.
2. Hold the instrument with the fan blade plane perpendicular to airflow.
3. Read wind speed, wind force level, temperature, and humidity on the display.

Note: Press UNIT to switch units (Knots, km/h, mph, m/s, ft/s, ft/min – 6 units).


(2) Airflow Measurement

1. In VEL mode, press the “ VEL button once to enter FLOW mode.
2. Align the fan blade plane perpendicular to airflow.
3. Read airflow, wind force level, temperature, and humidity on the display.

Note: Set the duct cross-sectional

area: before airflow measurement. In FLOW mode, press UNIT to switch units (CMM, CFM, CMS – 3 units).

(3) Duct Cross-Sectional Area Setting

1. With power on, hold the “ VEL button >2 seconds to enter AREA setting mode.
2. Input the duct cross-sectional value:
 - UNIT increases value.
 - HOLD decreases value.
 - VEL moves digit position.
3. After input, hold VEL >2 seconds to exit and begin FLOW measurement.

(4) Disabling Auto Shutdown

1. The instrument powers off automatically after 15 minutes of inactivity.
2. After shutdown, press Power to restart.
3. To disable auto shutdown: hold HOLD and press Power >2 seconds. The instrument will beep 5 times, confirming cancellation.

Note: Avoid strong vibration and do not forcefully touch the fan blades.

Maintenance and Care

Maintenance

Apart from battery replacement, do not attempt to repair or modify this instrument unless qualified and equipped with proper calibration, performance testing, and service instructions.

- Do not store or operate the instrument in high temperature, high humidity, flammable, explosive, or strong magnetic environments.
- Clean the housing with a damp cloth and mild detergent. Do not use corrosive agents or solvents.
- If unused for an extended period, remove the batteries to prevent leakage and damage.
- When the low battery symbol appears, replace the batteries as follows:
 1. Loosen the screws and open the battery cover.
 2. Remove old batteries and insert two new batteries of the same type, observing correct polarity.
 3. Close the cover and tighten the screws.

Technical Specifications	
Display	LCD: 4 digits, maximum display 9999
Screen Size	33X36mm
Sampling Rate	5 times/Sec
Sensor	Infrared laser beam and blade cutting method
Wind Speed Measurement Range	0.4~30.00m/s, Accuracy: $\pm (2\%+2)$
Beaufort Wind Force Scale	0~12 Level
Humidity Measurement	0%~100%RH, Accuracy: $\pm 2\%RH$
Temperature Measurement	-20.0°C~60.0°C, Accuracy: $\pm 2^{\circ}C$
Measurement Units	Knots,km/h, mil/h,m/s,ft/s,ft/m ; CMM CFM CMS
Resolution	0.01/0.1/1
Additional Parameters	Max value, Min value, Airflow measurement
Data Hold	Lock display reading
Auto Shutdown	15 minutes (auto shutdown function can be canceled)
Power Source	2X 1.5V AAA batteries
Dimensions	177mm*50.15mm*30mm
Weight	85g(excluding batteries)

Limited Warranty and Scope of Rights and Responsibilities

This product includes a two-year warranty from the date of purchase. The warranty does not cover disposable batteries or damage caused by accident, negligence, misuse, modification, contamination, or abnormal operating conditions.

This user manual is subject to revision without prior notice. While the content is considered accurate, if any errors or omissions are identified, please contact the manufacturer.

The company assumes no liability for accidents or damages resulting from improper operation. The functions described in this manual shall not be construed as justification for use in special applications.