REED Model R1900
Air Velocity Meter

Introduction

This compact air velocity meter (anemometer) measures in fpm, m/s, kph, mph and knots. The R1900 keeps track of maximum and average readings and features a data hold function and low friction rotating vane for improved accuracy.

⚠ Warning:
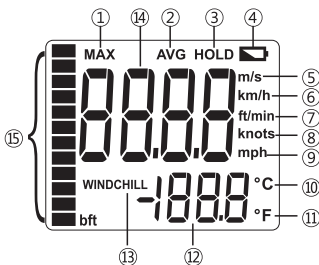Before using product, please read the operation manual carefully.

Operation Safety

1. Check the meter before using to ensure the instrument is not damaged.
2. Do not open the meter.
3. When the LCD displays ▱ replace battery as soon as possible.
4. Remove the batteries if the instrument will not be used for an extended period of time.
5. Do not use the meter in high temperature, humidity, flammable, combustible or strong electromagnetic environments.
6. Use a soft cloth and neutral detergent to clean the instrument. Do not use strong agents or solvents.

⚠ Warning:
Based on the principle of magnetic induction wind speed, measurements may be subject to interference under strong battery radiation conditions.

Display Description

1. Max
2. Average
3. Data Hold
4. Low Battery
5. m/s
6. km/h
7. ft/min
8. Knots
9. mph
10. °C
11. °F
12. Temperature value
13. Wind chill indicator
14. Air velocity value
15. Beaufort bar graph

Key Functions & Setup

ON/OFF
Press once to turn on unit. Press again to power off. Disable the product's auto power off feature by pressing and holding "HOLD" and then press "ON/OFF" key to enable/disable auto power off, LCD will display "APO OFF" to indicate status.

UNIT - Unit conversion key
Press this button to cycle through wind speed values m/s, km/h, ft/min, knots and mph. Hold the button and the

MAX/AVG
Press this button to switch between maximum, average and live functions. Select maximum and the maximum reading will be shown; select average and the average reading will be shown.

HOLD/BL
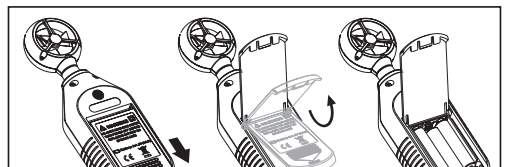HOLD: Press the button once to hold the measurement and press it again to continue measuring.
BL: Hold button to turn the backlight display on and off.

Specifications

Measuring Range(s) fpm:		78 to 5905
m/s:		0 to 30
km/h:		1.4 to 108
mph:		0.8 to 67
knots:		0.7 to 58
Accuracy	m/s:	±(5% rdg + 0.5)
mph:		±(5% rdg + 10dgt)
knots:		±(5% rdg + 10dgt)
km/h:		±(5% rdg + 15dgt)
fpm:		±(5% rdg + 180dgt)
Resolution		fpm: 1
		m/s, km/h, mph, knots: 0.1
Temp. Measuring Range(s)		14 to 122°F (-10 to 50°C)
Temp. Accuracy		±4°F (2°C)
Vane Diameter		1.2" (30mm)
Display		4-digit dual LCD
Backlit Display		Yes
Beaufort Windforce Scale		Yes (Digital Bargraph Indicator)
Data Hold		Yes
Max		Yes
Average		Yes
Sampling Rate		2 times/sec.
Overange Indicator		Yes
Auto Shut-off		Yes (after 5 mins, off)
Low Battery Indicator		Yes
Power Supply		3 "AAA" batteries
Product Certifications		CE
Storage Temperature		14 to 140°F (-10 to 60°C)
Operating Humidity Range		10-80%
Dimensions		6.3 x 2 x 1.1" (160 x 50 x 28mm)
Weight		4.2 oz (118g)

Battery Installation and Replacement

1. This meter uses 3 AAA batteries. Refer to the figure below for battery installation and replacement steps.
2. Push the battery cover open in the direction of the arrow, lift the cover and remove the batteries.
3. Install new batteries in accordance of polarity indications.
4. Close the cover tightly after installing new batteries.