REED Model R1900
## Air Velocity Meter, Compact Series

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.
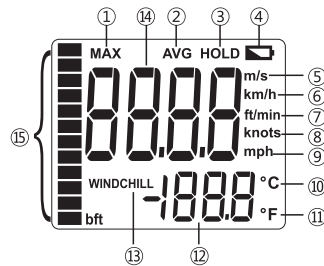
Operation Safety

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 Scale

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 the **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 temperature unit changes between °C and °F.

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 Ranges

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:	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 Scale:	Yes
	(Digital Bargraph Indicator)
Data Hold:	Yes
Maximum:	Yes
Average:	Yes
Sampling Rate:	2 times/second
Overange Indicator:	Yes
Auto Shut-Off:	Yes (after 5 minutes, 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 to 80%
Dimensions:	6.3 x 2 x 1.1"
	(160 x 50 x 28mm)
Weight:	4.2oz (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.