

Calibrating / Using the BRUNTON SHERPA

FIRST TIME SETTING - The SHERPA has a setting in the BARO mode and in the ALT mode that must be set before using the SHERPA for the first time.

BARO Mode Setting

1. Scroll to BARO mode.
 2. Press and hold the "SET" button until the display disappears (approximately 3 seconds), then release.
 3. A flashing altitude value indicates the SHERPA is waiting for a change.
 4. Change value by pressing the "UP/DOWN" button until it reaches the altitude at your location.
- * If your altitude is unknown, press "UP" button one time, and the SHERPA jumps to a calculated altitude.
* Remember, or document the setting value.

ALT Mode Setting

1. Scroll to ALT mode.
2. Press and hold the "SET" button until the display disappears (approximately 3 seconds), then release.
3. A flashing altitude value indicates the SHERPA is waiting for a change.
4. Match this altitude value with the altitude setting in the BARO mode.

Your SHERPA is now ready for use!

Note: The SHERPA uses pressure to calculate altitude. As the pressure changes so will the altitude, even if the SHERPA has not been relocated. See page 7 in the instruction manual. In a day, it is common for the altitude value to change by as much as 100 meters (approx. 300 ft.), due to a Low/High pressure system coming into the area.

Hint: Document the pressure before heading out. In BARO mode, watch the changes in pressure using the pressure history "bars". Each "bar" is divided into sections, and each "section" represents 2 mbars (2 hPa). Example: If the -2h history "bar" has 5 "sections" and the 0h history "bar" has 4 "sections" this indicates the pressure has dropped by 2 mbars. Now use the correlation on page 7 in the instruction manual (change of 1 mbar correlates to a change in 8 meters). Since the pressure dropped by 2 mbars, the altitude will have increased by 16 meters. If the pressure changes drastically, you may want to reset the altitude in the ALT mode.

RECALIBRATING THE PRESSURE SENSOR - If you have problems with altitude value, or the pressure value not reading correctly, your calibration setting may have been adjusted accidentally.

1. Scroll to ALT mode.
2. Press and hold the "RIGHT" button until the display disappears (approximately 10 seconds), then release.
3. A flashing pressure value indicates the SHERPA is waiting for a change.
4. Change this to 0.0 hPa (0.0 mbar).

If you make changes in this mode, you will have to reset the BARO, then the ALT mode again.

CHANGING TIME 12H / 24H

1. Scroll to ALT mode
2. If the altitude units are in feet, the SHERPA displays time in a 12 hour format.
3. If the altitude units are in meters, it displays time in a 24 hour format.

ROTATING THE WIND IMPELLER

It is possible to rotate the small impeller, which will protect the impeller from dirt and debris. When ready to measure wind speed, just rotate until the wind has a straight line of sight through the instrument.

BRUNTON SHERPA

Technical Specifications

Altitude Display: 0-9,000 m (0-30,000 ft.)
Altitude Display Resolution: 1 meter (3 feet)
Update Rate of Altitude Display: Dependent rate of decent (1 or 10 sec.)

Air Pressure Display Resolution: 1 hPa or 0.01 inHg
Air Pressure Adjustment Range: 900 - 1100 hPa (26.60 - 32.49 inHg)
Update Rate of Air Pressure Display: 4x per hour

Accuracy of Wind Measurement: 4% (can be corrected)
Windspeed Display Resolution: 0.1 m/s
Windspeed Measurement: 0.1 m/s to 40 m/s (145 km/h)
Update Rate of Wind Measurement: 1x per second
Time for Average Windspeed: 5 to 60 seconds (5 sec. Incr.)

Accuracy of Temperature Measurement: +/- 2 degrees C
Temperature Display Resolution: 1 degree C
Temperature Measurement Range: -20 to 55 degrees C

Weight: approximately 45g (including battery)
Size: 10.3 x 4.50 x 1.80 cm (3.93 x 1.57 x 0.70 in.)
Casing: ABS
Battery Type: 3V lithium, CR2032
Battery Life: approximately 1 yr. - auto warning of low battery status

Warranty: 2 years
Made In: Switzerland

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