

Réalisation française
Marque et brevet déposés

Whenever you know the altitude, or your location, you should recalibrate ALTIplus: This is due to the fact that barometric pressure may change and induce an error in displayed altitude.

Press the right key to display altitude, then press the right key continuously for 8 seconds until ALTIplus displays "↑" (to increase altitude) and "↓" (to reduce it).

FUNCTIONS:

1. ALTITUDE:

- to within 5m. from -305 to +6000 m.
- to within 10ft from -1000 to 19600 ft

2. PRESSURE AT SEA LEVEL

3. N.B.:

- Recalibration is memorized even after replacing the battery.
- ALTIplus A2 includes two measuring systems: Altitude by 5 meters and pressure in hecto-Pascal (hPa), altitude by 10 feet and pressure in inches of mercury (In.Hg).

USERS MANUAL

1. STARTING ALTIplus: Right or left key

Press any key and release.

The first function is displayed: altitude (for example: "+200" in meters, or "655" feet).

2. DISPLAYING FUNCTIONS: Left key.

Press the left key and release.

The function is displayed: ex "hPa" if you are in meters and "inHg" if you are in feet.

When you release the key, pressure is displayed: ex "hPa 998" in meters or "inHg 29.48" in feet.

Each function is displayed for about 30 seconds. Then ALTIplus automatically stops.

This is a safety precaution to increase the autonomy of your altimeter.

3. CONTINUOUS OPERATION MODE

Press the right key between 5 and 8 seconds, until ALTIplus displays "30"

Release. ALTIplus will display the function for about half an hour. To turn it off, press the key again and release.

NOTE: Whatever the display is on or off, the pressure sensor of the ALTIplus will continuously work with the lowest battery consumption.

TO INCREASE ALTITUDE:

Press the right key when "↑" is displayed.

Each time you press the key, you put altitude 5 m.(or 10 ft) up, up to the altitude you want to reach.

By pressing continuously, altitude will increase faster.

Once you have reached the required altitude, valid by pressing the left key: pressure at sea level is displayed at about 1013 hPa (or 29.92In.Hg). This enables to see if this is a high (>1013 hPa) or low pressure (<1013 hPa).

TO REDUCE ALTITUDE:

Proceed the same way, starting from "↓".

5. CHANGING MEASURING UNITS:

To change meters and hPa for feet and In.Hg:

- Press the right key: after 5 seconds, "30" is displayed for 3 seconds; then "CAL" is displayed for 2 seconds, and at least "m" and "ft" are alternatively displayed.

When "ft" is displayed, valid by pressing the left key. Release. Then, the altimeter displays altitude in feet.

When you put again the ALTIplus ON, it displays the altitude in feet. For example "105 ft".

To change feet and In.Hg for meters and hPa: proceed the same way.

TO USE ALTIplus PROPERLY

1. ALTITUDE AND PRESSURE:

Altitude is calculated from atmospheric pressure, which can fluctuate a lot with time.

Atmospheric pressure changes in accordance with altitude. Average pressure at sea level is currently 1013 mb (or 29.92 In.Hg). Pressure decreases as you go up. ALTIplus measures pressure and then computes corresponding altitude.

Atmospheric pressure changes according to meteorological conditions too. This is the reason why altitude has to be recalibrated: to correct an error in displayed altitude caused by a change of meteorological conditions.

2. TEMPERATURE RANGE:

Every ALTIplus is individually tested from -10°C up to $+50^{\circ}\text{C}$. **CAUTION:** If temperature varies a lot within a very short space of time, (15°C within a few seconds for instance), the internal electronic components, will need about 10 mn to stabilize. In this case, either you read altitude immediately after this temperature variation, or you wait for 10 mn. Do not recalibrate ALTIplus during thermic imbalance.

REPLACING THE BATTERY:

1. ALTIPLUS WARNS YOU IN CASE OF LOW BATTERY:

No warning light displayed: charged battery.

Blinking "warning light": keep an eye on it especially before using ALTIplus in cold weather.

"Warning light" displayed: flat battery, to be replaced.

Under normal use, which means more than 4000 readings per year, the batteries should last more than 12 months. **Caution:** These figures represent 30 sec displays, not continuous 30' readings.

2. REPLACING THE BATTERY:

– Unscrew the 2 screws situated at the bottom of the rear side of ALTIplus.

– Open the backside carefully

– Remove the batteries and connect the new ones (**1.5 V Alkaline only**).

– Make sure that you put them the right way.

– Put the string into place as well as the rear side of the altimeter.

– Refasten the 2 screws.

– Recalibrate your ALTIplus.

TECHNICAL CHARACTERISTICS:

RESOLUTION: Altitude: 5m or 10 ft

WEIGHT: 90 gr including batteries

ALTITUDE RANGE: One scale only, from -305 up to 6000 m, from -1000 to 19600 feet.

DIMENSIONS: 80 X 65 X 23 mm

POWER SUPPLY: two 1.5 V alkaline batteries.

AUTONOMY: 12 months, according to the use (the batteries delivered with the ALTIplus may not last so long as the instrument has been stocked).

TEMPERATURE RANGE: from -10°C up to $+50^{\circ}\text{C}$.

MEMORIZATION OF ADJUSTMENTS: Recalibration.

AUTOMATIC STANDBY: After 30 sec reading.

CONTINUOUS OPERATION MODE: 30 mn.

SHOCK-PROOF CASE

PRESSURE SENSOR: Pressure acquisition by an electronic pressure sensor, temperature and supply voltage compensation is done by a specific microprocessor.

GUARANTEE

ALTIplus is guaranteed for two years (not including the batteries), against any manufacturing or material defect, under normal conditions of use. Exchanging or repairing an ALTIplus do not extend its guarantee period. To benefit from the guarantee, the owner must apply to the retailer who sold him his ALTIplus. No penalty is owned if the instrument is retained for repair as part of the guarantee.

MODEL:

FILE NUMBER:

Put into service on:

Retailer:

Address:

of Retailer's stamp and signature: