Ho/nO(t)

Functions:

(iv) direction: shows in whole circle bearing, e.g. 255° (iii) temperature: shows in the unit of °C (or °F). (ii) height: shows in the unit of m (meter) (or ft).

(v) time: shows and starts time at 12 hour format

(or compass bearing e.g. S75°W (=255°).

To operate under the scope of the above (i) to (viii), press

(viii) weather forecast: show in graphic icon

(vi) calendar: shows in d/m with day (or m/d). e.g. 12:0000 am (or 24 hour format).

(i) pressure: in the unit of mb (mbar) (or inHg). In normal mode, the display shows reading of:

LCD display shows all functions for a seconds and then turn to A beep sound occurs indicating the unit is switched on.

(1) Press "on/off" button to switch on.

to (2g) will keep as last reading.

pressure measurement).

measurement of altitude.

(5) Switch on/off altitude measurement

breset reference altitude.

acceleration of increments.

for acceleration of increments.

reference altitude is not in use.

for 3 seconds to switch

"TEMP", "TIME"

"TEMP", "DIR",

"TIME" and "CAL"

"mode" to switch as following:

(2) Press and hold "on/off"

and "CAL"

(ii) "BARO", "ALT",

(i) "BARO", "ALT",

(vii) bar graph

of altitude.

(ii) Display reads "---" It stops the

every 15 minutes (same as the

unit keeps updating the altitude for

(iii) When the measurement is stopped, the

preset value for altitude calculation.

(vi) Should the measurement is switched off, other value in (2a)

(v) Should the measurement is switched off, the unit will still

immediately and update every second immediately.

measurement again. Display reads real time reading

(i) Go to (2a), Press "set" and "-" to switch off the measurement

In order to save battery life, user can switch off the measurement

(vi) Press "-" once to decrease one digit or press and hold "-" for

(v) Press "+" once to increase one digit or press and hold "+" to

(iii) Press "+" or "-" to turn on the reference altitude setting and

(ii) Press and hold "set", "OFF" displays, which representing the

(iv) Press "set" to confirm, real time altitude flashing.

(iv) Press "set" and "-" together in (2a) to switch on the

councit the altitude by the pressure value in every 15 minutes

and bar graph will also be updated accordingly.

.E8

ude161ea (H) enusser (A)

(A) ~ (G): "Function" Display

(b) Pressure trend reading (past 12 hours readings) (a) Real-time pressure reading in mb (hPa) (2) BARO mode includes following functions: the "ALT" mode. Press "mode" again to exit and switch to trend of previous 12 hours shows. BARO appears, Bar graph for the pressure (1) Press "mode" to pressure mode. To look for BARO information: Measurement and Display function

between mb (hPa) and inHg. (ii) Press together "set" and "+" to switch (3) Air pressure unit switchable To switch between (a) and (b), press "+" and "-" together

dm \ Q Q \ RH (4) Pressure Trend (past 12 hours reading)

(ii) Press "+" or "-" to check record of past hour with "- 1hr" next to the pressure reading for the previous (i) Go to (2b). Display will show one

reading in other hours within the

change in air pressure. Therefore updating the reference altitude measurements calculated is subjected to error caused by the to-altitude conversion calculation accordingly. The altitude the reference altitude (not the preset value). altitude is used, the unit will calculate relative altitude based on to convert air pressure reading to altitude values. If a reference The unit is pre-programmed with preset values, which are used pressure, which is then used to estimate the current altitude.

After a reference altitude is set, the unit adjusts the air-pressure-The altimeter uses the pressure sensor to detect the current air

(4) Setting a reference altitude between m or ft.

(i) Go to (2a).

(9) Accumulative ascent/descent altitude Σ +, \blacktriangle or Σ +, \blacktriangledown H▲,▼; H▲, ▲ elifterential altitude ▲, ★H; ▼, ▲H

(e) Current ascent/descent rate in ft/hr or m/hr

(c) Altimeter Trend (past 12 hours reading)

(b) Max/min altimeter memory recalling

(a) Real time altimeter reading in m or ft (2) ALT mode includes following functions:

the "TEMP" mode.

trend of previous 12 hours shows. ALT appears, Bar graph for the altimeter

(1) Press "mode" to altimeter mode.

TEMP

(iii) Press "-" to show minimum temperature tested. "MAX" shows on the display. (ii) Press "+" to show maximum temperature (I) GO to (2a) (4) Temperature max/min memory recalling

Individually. Display returns to real

(iv) Press and hold "set" to clear memory

tested. "MIN" shows on the display.

to switch between "C and "F.

(i) Go to (2a) (3) "C/"F switchable

time in 5 secs.

- Guioß umop (III) (II) steady; or →

(i) rising; or representing the temperature is)

(An arrow shows on the display

(b) Temperature trend

(a) Real-time temperature reading; and (2) TEMP mode includes following functions:

"DIR" (or "TIME") mode.

Press "mode" again to exit and switch to TEMP appears.

(1) Press "mode" to TEMP mode.

To look for TEMP information: (C) Temperature

(vi) Press "+" and "-" together to return to (2a) reading reset to 0 and start to record the maximum reading.

(v) To Clear the memory, in (11iv), press and hold "set" the " E " and " V " shows on the display.

(iv) Press "-" to show accumulative descent altitude tested. ascent altitude tested.

reading reset to 0 and start to record the accumulative

(iii) To clear the memory, in (11ii), press and hold "set" the

whenever one is recommended.

(ii) Press together "set" and "+" to switch

(3) Altitude unit switchable

To switch between (a) and (g), press "+" and "-" together

(d) High/low altimeter alarm

Press "mode" again to exit and switch to

To look for ALT information: (B) Altitude

(ii) Press together "set" and "+"

(vi) Press "+" and "-" together to switch (2g). arritude reading. reading reset to 0 and start to record the descent differential

(v) To clear the memory, in (10iv), press and hold "set" the and "v" shows on the display.

(vi) Press "-" to show descent differential altitude reading. "▲H" altitude reading.

reading reset to 0 and start to record the ascent differential (iii) To clear the memory, in (10ii), press and hold "set", the

on the display.

altitude reading. "▲H" and "A" shows (ii) Press "+" to show ascent differential

"▲H" and "A" shows on the display. differential altitude reading. Go to (2f), display shows the ascent

(10) Ascent/descent differential altitude

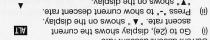
to return to (2f).

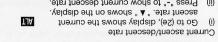
(iii) Press "+" and "-" together " a " shows on the display. (ii) Press "-" to show current descent rate.

(i) Go to (2e), display shows the current

past 12 hours.

ascent rate. " ▲ " shows on the display.





(x) Press "+" and "-" to exit and switch to (2e). delete low alarm set, "LOW" disappear.

(ix) To delete low alarm setting, press "set" and "-" in (2d) to delete high alarm set, "HI" disappear; or

flashing; or it stops automatically after 15 times.

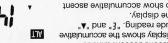
(9) Current ascent/descent rate

(viii) To delete high alarm setting, press "set" and "+" in (2d) to

(vii) Press any key to stop the alarm and "HI" or "LOW" stops



10.01



(ii) Press "+" to show accumulative ascent shows on the display. ascent altitude reading. "{" and "▲" (i) Go to (2g), display shows the accumulative

(11) Accumulative ascent/descent altitude

real time reading and shows "HI" or "LOW" (v) Press and hold "set" to confirm and the display returns to (2a)

setting. -700m → 9000m → -700m, each press 10th, continue (iv) To set the alarm, Press "+" or "-" to set the desired alarm

or previous reading shows on the display. alarm, "AL" and, "LOW" flashes. -700m

(iii) Press and hold "-" to set and check low alarm, "AL" and, "HI" flashes. -700m or

F.001

0.2E! +

(i) Go to (2c), Display will show one

maximum reading. reset the memory to 0 (a beep sound) and start to record the (v) To clear the memory, in (6iv), press and hold "set" the reading

(iv) Press "-" show minimum altitude tested. "MIN" shows on the to 0 (a beep sound) and start to record the maximum reading.

(iii) To clear the memory, in (6ii), press and tested. "MAX" shows on the display. (ii) Press "+" to show maximum altitude reading.

(i) Go to (2b), display shows the maximum

TJA XAM

(6) Altitude max/min memory recalling

(a) DIR Temperature

altitude tested. "{" and "▲" shows on the display.

on for 15 times. "HI" or "LOW" flashing.

(vi) When the reading reaches the alarm setting, alarm beep turns

brevious reading shows on the display; or

(ii) Press and hold "+" to set and check high (i) Go to (2d), display shows flashes "AL". (8) High/low altimeter alarm reading in other hours within the past

(ii) Press "+" or "-" to check record of your with "- 1hr" next to the reading. altimeter reading for the previous past

(viii) If no reference altitude is set and turn off, the unit uses the (vii) Press "set" to confirm and real time altitude change to the

hold "set" the reading reset the memory

the North Direction of (0) 0AA8

> TJA TIME (3)

(7) Altitude Trend (past 12 hours reading) (vi) Press "+" and "-" together to (2c).

F.001

(D) Direction

To look for Compass information:

- (1) Press "mode" to DIR mode.
- **DIR** appears. Press again to exit and switch to "TIME" mode.
- (2) DIR mode includes following functions:(a) Real time direction reading in whole
 - circle bearing or compass bearing

DIR

DIR

- (b) Calibration function
- (3) Type of bearing switchable
 - (i) Press "set" and "+" to switch between different types of bearing.

(4) Calibration

- (i) In "DIR" mode, Press and hold "set"."CAL" appears.
- (ii) Turn the unit for 360 degree horizontally.
- (iii) Press and hold "set" to confirm and exit to real-time compass.

(5) Sleep mode

- (i) When the unit is in the compass mode, it starts to measure and update the direction every second for 1 minute.
- (ii) Afterward the display read "---".
- (iii) In compass mode, press "set" to reactivate the unit to measure and update the direction every second for 1 minute; or
- (iv) Press "mode" to exit and re-enter to the DIR mode again.

©2015 92-4198-40 Rev. 0 150814

OJ3H ONAH JATIÐIO A3T3MOAA8

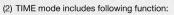
(E) Time

To look for TIME information:

(1) Press "mode" to time mode.

TIME shows on the display. Press "mode"

again to exit and switch to "CAL" mode.



(a) Real time clock

(b) Alarm time setting (♣ shows on the display)

(c) Timer (count up and count down); $\overline{\mbox{\ensuremath{\upsigma}}}$ shows on the display

To switch between (a) to (c) one by one, in TIME mode press together "+" and "-" for each switching.

(3) 12/24switchable

- (i) Go to (2a),
- (ii) Press together the "set" and "+" to switch between 12/24 time format.

(4) Clock Set

- (i) Go to (2a), press and hold "set" Hour digits flash.
- (ii) Press "+" or "-" to set hour digits.
 Press "set" to confirm. Minute digits flash.
- (iii) Press "+" or "-" to set minute digits.
 Press and hold "set" to confirm and go
 back to real time mode. Second digits
 return to 00.

(5) Alarm and snooze On/Off

(i) Go to (2b), press and hold "set" to get into the alarm mode, Hour digits flash.

CAL

(ii) Press "+" or "-" to set hour digits. Press "set" to confirm. Minute digits flash.

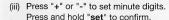
(4) Language for Day and Calendar set

- (i) Go to (2a), "d/m" or "m/d" shows.
- (ii) Press and hold "set", display shows "E" representing English for day showing.
- (iii) Press "+" or "-" to select the language.
 Display show as following:
 "E" → "D" → "F" → "|" → "S" → "E"

You can select E for English, D for German, F for French, I for Italian or S for Spanish. They are shown in the language chart below.

| Language | Day-of-the-week | | | | | | |
|------------------|-----------------|------|-----|------|-----|-----|-----|
| | Mon | Tues | Wed | Thur | Fri | Sat | Sun |
| English [| Mo | Tu | WE | TH | Fr | SR | Su |
| German 🖁 | Mo | II | Mi | lo | Fr | SR | 50 |
| French F | Lu | MA | ME | JE | WE | SR | Ji |
| Italian ¦ | Lu | MA | ME | GI | WE. | SR | Jo |
| Spanish 5 | Lu | MA | Mi | Ju | 111 | SA | lo |

- (iv) Press "set" to confirm and month digits flash first. Press "+" or "-" to set month. Press "set" to confirm. Then date digits flash
- (v) Press "+" or "-" to set date. Press and hold "set" to confirm and go back to real time mode.
- (vi) Go to (2b). "yr" shows and 4 places digit shows also.
- (vii) Press and hold "set", the last 2 digits of year flash (the first 2 digits "20" will not flash). Press "+" or "-" to set year from "00" to "59").
- (viii) Press and hold "set" to confirm and go back to real time mode.



- (iv) When time is reached, ▲ flashes and beeping sound of alarm will last for 1 minute. Press any key to stop the alarm.
- (v) To get into the alarm with snooze mode, press "set" again, both ♣ & Z^z flashes.
- (vi) When time is reached, ▲ flashed and stop it by pressing any key. While Z¹ start flashing. Snooze will sound for every 5 minutes and repeat for 5 times
- (vii) Press "set" to cancel both function mode ▲ & Z¹.
- (viii) Press "+" and "-" to return to the real time mode.
- (6) Timer Set (23:5959)
 Go to (2c), "∑" flashes. Time digits
 "0:0000" show on the display.

(7) Count up

- (i) Press "mode" to start count up.
- (ii) Press "mode" to pause/stop and re-start.
- (iii) May press together "+" and "-" to go to other time mode during counting while the "∑" flashes during counting.

(8) Count down

(G) Weather forecast

(i) sunny 30c

(iii) cloudy 💭

(iv) rainy 💭

Backlight

To look for Weather forecast

Includes icons of the following)

(ii) partly cloudy 💭 🔅

(v) thunder storm

(vi) moon and star * * o

Battery Replacement

Turn the Main Unit over. Use a

coin or similar opener to open

cover. Insert a new batteries

(2 x 3 volts "CR2032" size or

equivalent) as the direction

indicated. Close the cover.

(It will be shown on the display by all time.

(i) Press "B/L" to turn on the backlight.

automatically after 10 seconds.

(ii) Press again to switch off. Or it will turn off

- (i) Press and hold "set". Hour digits flash. Press "+" or "-" to set hour digit. Press "set" to confirm. Minute digits flash.
- (ii) Press "+" or "-" to set minute. Press "set" to confirm. Second digits flash.
- (iii) Press "+" or "-" to set second. Press "set" to confirm.
- (iv) When setting is confirmed, all digit stop flashing and all are set well.

TIME AZ' =

ก.กก

- (v) When all digits are set well. Press "mode" to start count down.
- (vi) Press "mode" to pause and re-start.
- (vii) During counting, may press together "+" and "-" to go to other time function and "∑" flashes during count down.
- (viii) When time is reached, it sounds for 1 minute and digit remain "0:000o". Or press any key to stop beeping when time is reached.
- (ix) Press "mode", the last setting will display. Simply press "mode" again to start count down again.

(9) Timer clear

(i) In timer "X" mode, press "mode" to pause counting. Then press "set" to clear. Timer digits return to "0:0000"

(F) Calendar

To look for CALENDAR information:

- (1) Press "mode" to CAL mode.
- CAL will appear.



- (a) date and month showing (d/m or m/d) with day
- (b) year showing (2000-2059)

To switch between (a) and (b), press "+" and "-" together.

- (3) Switchable d/m or m/d
 - (i) Go to (2a), press together "set" and "+" to switch between "d/m" or "m/d".



Maintenance/ Precautions

- Do not leave the Main Unit exposed to direct sunlight when the unit is not in use.
- Do not disassemble the Main Unit and sensor.
- · Check relative position of sensor periodically.
- For cleaning, use neutral detergent on soft cloth, and wipe off later with dry cloth. Do not apply paint thinner, benzine, or alcohol, to avoid damages on the surface.
- If there is mud, sand or clog-like between the button and the body, the movement of the button may be disturbed. Softly wash away such objects with water.

Specification

Air Pressure

Pressure Range: 300 ~ 1100mb (hPa); 8.85inHg ~ 32.45inHg

Resolution: 1 mb/hPa; 0.01inHg

Sensing Time: 15 minutes

Altitude

 $\begin{array}{ll} \mbox{Altitude Range:} & -700\mbox{m} \sim +9000\mbox{m}; -2296\mbox{ft} \sim +29520\mbox{ft} \\ \mbox{Resolution:} & 0.1\mbox{m} \mbox{ for } -500.0\mbox{m} \mbox{ to } 999.9\mbox{m}; \mbox{ otherwise } 1\mbox{m} \\ \end{array}$

Sensing time: 2 sec

(Sensing time under sleep mode is 15 minutes)

Temperature

Temperature range: -10° C $\sim +60^{\circ}$ C or $+14^{\circ}$ F $\sim +140^{\circ}$ F

Resolution: 0.1°C or 0.1°F

Sensing Time: 1 min

Direction

Range: 0-359°
Resolution: 1°

Sensing time: 1 sec for 1 min

Unit: whole circle bearing, e.g. 255°

