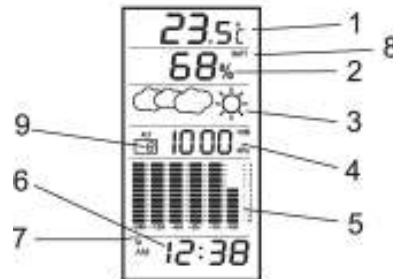


TRACEABLE® DIGITAL BAROMETER INSTRUCTIONS

SPECIFICATIONS

Temperature:	Measuring Range:	-5 to 55°C (23 to 131°F)
	Accuracy:	±1°C (1.8°F) (0-40°C) ±1.5°C (2.7°F) (other range)
	Resolution:	0.5°C (0.9°F)
	Sampling Cycle:	9 seconds
Humidity:	Measuring Range:	10% - 98%
	Accuracy:	±5% (30% - 80%) ±7% (other range)
	Resolution:	1%
	Sampling Cycle:	9 seconds
Barometer:	COMFORT:	40% to 70% RH, 20 to 25°C (68 to 77°F)
	WET:	Over 70% RH
	DRY:	Below 40% RH
	Measuring Range:	794 to 1050 mb (23.45 - 31.01 inHg)
	Accuracy:	±5 mb (0.1477 inHg) at 25°C (77°F)
	Resolution:	1 mb/hPa (0.03 inHg)
	Sampling Cycle:	15 minutes
	Weather Forecasting:	12-24 hours ahead
	Barometric Pressure:	Trend Chart
	Storage of Barometric Pressure (reading every hour)	Constant Barometric Pressure Reading
Clock:	0 to 2500 meter Level Altitude Compensation	
	Automatic Temperature Adjustment for Barometric Pressure	
	12/24 Hour Format, HOUR/MINUTE	
Battery:	Alarm Function – Electronic Buzzer for 1 minute	
	MONTH/DATE Calendar Function	
	UM-4 (AAA) type x 4 pieces	
	Battery Life – Approx. 1 year	

DESCRIPTION OF LCD PANEL AND FUNCTIONS



1. Temperature (°C or °F Display)
2. Humidity (Comfort/Wet/Dry)
3. Illustrated Weather Mark
4. Barometric Pressure Display in mb/hPa or inHg
5. Barometric Pressure trend chart (Line/Bar Chart)
6. Clock A.M./P.M. display / calendar MONTH/DATE Display or Alarm Time
7. Alarm "ON" indicator
8. Low Battery indicator
9. Past pressure History in "Hour"

HOW TO REPLACE BATTERIES

If the "BATT" display appears, just tip up the battery cover until it is separated completely from the cabinet. Remove exhausted batteries and put 4 pieces of UM-4 (AAA) size batteries into battery compartment. Make sure positive (+) and negative (-) polarity matches with the indication inside the battery compartment.

After replacing the batteries, the unit is completely reset and the whole display will be turned on for 2 seconds and then display the following:

- Illustrated Weather Mark -SLIGHTLY CLOUDY
- Barometric Pressure Trend Chart -Straight line
- Temperature, humidity and pressure display the current reading
- Clock is showing 12:00 a.m.

The unit takes about 24 hours to store the barometric pressure data therefore, the weather forecasting does not work properly until 24 hours have elapsed.

HOW TO READ "ILLUSTRATED WEATHER MARKS"

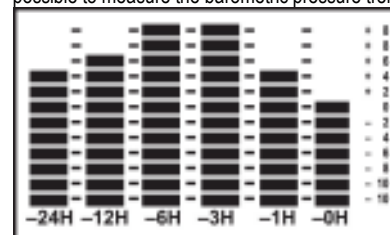
The digital barometer detects barometric pressure changes and the LCD displays the illustrated weather mark which indicates the weather forecast, 12-24 hours ahead, for an area with a radius of about 30-50 km.

SUNNY	CLOUDY	SLIGHTLY CLOUDY	RAINY

Note: The weather forecasting is only possible when it is measured at the same altitude for about 24 hours continuously. For instance, moving the unit around flat field, or high land, or on the sea for over 24 hours, the proper reading can be maintained. Just after replacing batteries or reset, the weather mark (slightly CLOUDY) is displayed, and it will take about 24 hours until it works property.

HOW TO READ BAROMETRIC PRESSURE TREND CHART

Stored memory of the barometric pressure changes are displayed on the chart, with 5 steps of 1,3,6, 12 and 24 hours back. This chart is plotted by comparing the past time barometric pressure to the present pressure. The scale on the right shows this comparison result. The "O" in the of the scale means equal to present pressure. '+2' means the past pressure higher than the present one by 2mb. This can give you the pressure trend during the past 24 hours. Again, it is only possible to measure the barometric pressure trend property at the same altitude.



OPERATING INSTRUCTIONS

FUNCTION:

Weather Forecast: 4 kinds of Illustrated weather marks (SUNNY/ SLIGHTLY CLOUDY/CLOUDY/RAINY)
Barometric Pressure Trend Chart (Bar Chart/Line Chart)

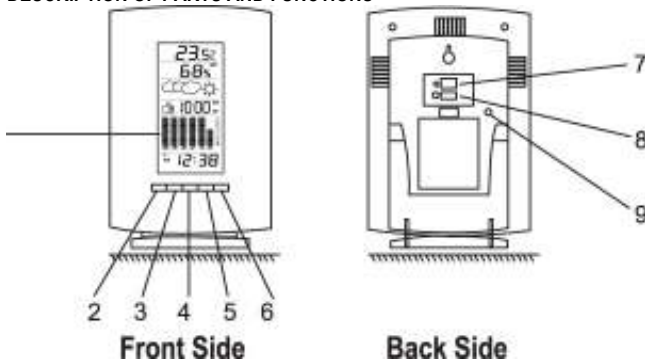
Barometric Pressure: Normal Barometer Function with 0 to 2500 meter level altitude compensation
(794mb - 1050 mb, or 23.45 - 31.01 inHg)
Storage of the Barometric Pressure Reading for the past 24 Hours, calls every 1 hour from present time.

Temperature: 23 to 131°F (-5 to 55°C)

Humidity: 10%-98%

Clock/Calendar: 12/24 Hour Format
Daily Alarm Function,
Calendar. MONTH/DATE.
Real Time Clock, HOUR/MINUTE

DESCRIPTION OF PARTS AND FUNCTIONS



1. LCD Panel
2. MODE Button
3. ALARM Button
4. UP Button
5. DOWN Button
6. HISTORY Button
7. °C/°F Slide Button
8. mb/hPa/inHg Slide Switch
9. Reset Button

Note: In the case of moving around at different altitudes within a short time, the air pressure changes due to the different altitudes and, therefore, the displayed barometric pressure change is not correct.

The weather will be getting better (worse) if this chart shows the bar marks moving up (down) towards the present time (OH). However, please note again that the accuracy of a weather forecast by barometric pressure reading is considered as about 70-75% only.

ALL ABOUT CLOCK, CALENDAR AND ALTITUDE

How to Display Clock and Calendar:

- Pressing the MODE button momentarily can change the display between clock and calendar display.



How to Set Altitude, Clock and Calendar:

- Press and hold the "MODE" button for 2 seconds to set the altitude. The "ALT" indicator will turn on with the altitude setting flashing (display in meter). Increase/decrease the altitude in steps of 10m by pressing "UP" or "DOWN" button. Press and hold "UP" or "DOWN" for 2 seconds to increase/decrease the setting in steps of 50m at a rate of 2 Hz for fast setting.
Note: You may call up the local airport to check the altitude at your position. Press the 'MODE' button again to set the clock and calendar. At this time the previous pressure display will reappear. If the altitude has been changed, the "ALT" indicator flashes in the present pressure display. The indicator keeps flashing until a new sampling takes place and the pressure reading is then compensated with the new altitude.
Calendar will be displayed with the month digit flashing. Set the month by pressing "UP" or "DOWN" button. Press and hold "UP" or "DOWN" for 2 seconds to increase/decrease the setting in steps of 1 at a 2 Hz rate for fast setting.
- Next, press 'MODE' button once. The date digit flashes. Set the date by pressing 'UP' or 'DOWN' button. Press and hold 'UP' or 'DOWN' for 2 seconds to increase/decrease the setting in steps of 1 at a 2 Hz rate for fast setting.
- Press 'MODE' button again, 12/24 hour format will be displayed in flashing. Toggle the format between 12 and 24 hour format by pressing 'UP' or 'DOWN' button.
- Press 'MODE' button again, clock will be displayed with hour digit flashing. Set the hour by pressing 'UP' or 'DOWN' button. Press and hold 'UP' or 'DOWN' for 2 seconds to increase/decrease the setting in steps of 1 at a 2 Hz rate for fast setting.
- Press 'MODE' button again. The minute digit flashes. Set the minute by pressing 'UP' or 'DOWN' button. Press and hold 'UP' or 'DOWN' for 2 seconds to increase/decrease the setting in steps of 5 at a 2 Hz rate for fast setting.
- After calendar and clock setting, pressing 'MODE' button once again.
- The setting mode will automatically exit if there is no key pressed for 1 minute.

ALTITUDE CONVERSION TABLE

The setting and display is in meter

Altitude in Feet	=3,281 X Altitude in meter
Altitude in Meter	=0.3048 X Altitude in foot

ALL ABOUT ALARM

How to display ALARM time

- Pressing 'ALARM' button momentarily can change the display between clock and alarm display.



How to Set Alarm Time

- Press ALARM button for 2 seconds to set the alarm time. Alarm indicator flashes to indicate alarm setting mode. Alarm will be turned on automatically. The alarm time will be displayed with the hour flashing. Set the hour by pressing 'UP' or 'DOWN' button. Press and hold 'UP' or 'DOWN' for 2 seconds to increase/decrease the setting in steps of 1 at a 2 Hz rate for fast setting.
- Next, press 'ALARM' button once, the minute digit flashes. Set the minute by pressing 'UP' or 'DOWN' button. Press and hold 'UP' or 'DOWN' for 2 seconds to increase/decrease the setting in steps of 5 at a 2 Hz rate for fast setting.
- Press 'ALARM' button again. Set the alarm on/off by pressing 'UP' or 'DOWN' button.
- After alarm time setting, press 'ALARM' button again.
- At any moment, press the 'MODE' button to accept the alarm time setting and exit to clock mode directly.
- The alarm will exit automatically if there is no key pressed for 1 minute and then the setting is accepted.

HOW TO SELECT BAR CHART/LINE CHART FOR THE BAROMETRIC TREND

- Press and hold the 'MODE' button and then reset the unit by pressing the reset button at back of unit.
- Alternatively to procedure 1, press and hold the 'MODE' button when replacing the batteries. **Note:** After either actions the unit will restart and the previous readings/ settings will be lost.

HOW TO RECALL THE STORED BAROMETRIC PRESSURE READINGS

Constantly, the barometric pressure reading is being stored during the past 24 hours. It can be displayed per every one hour.

- By pressing the 'HISTORY' button every time, the barometer readings which have been stored over the past 24 hours will appear on the display in mb/hPa (or inHg) with the recording time up to '24' hour and back to '0' hour (0 hour means current pressure).
- Press and hold the 'HISTORY' button, the past time display will advance by 1 hour at 2 Hz until it reaches '0' hour again.
- If the pressure in one particular hour history has not yet been recorded, it will show "----" for that hour on the past history review display.

WALL MOUNTING OR TABLE STANDING

- Open the back cover and take out the plastic stand for table standing application.
- Open the back cover and hide the plastic stand inside the compartment for wall mounting application.

WARRANTY, SERVICE, OR RECALIBRATION

For warranty, service, or recalibration, contact:

CONTROL COMPANY

4455 Rex Road
Friendswood, Texas 77546 USA
Ph. 281-482-1714 Fax 281-482-9448
E-mail sales@control3.com
www.control3.com

Control Company is ISO 9001 Quality-Certified by DNV and ISO 17025 accredited as a Calibration Laboratory by A2LA.