

SPECIFICATIONS

Temperature--

Range: -22 to 158 °F / -9 to 70 °C

Resolution: 0.5°

Barometric Pressure--

Range: 23.62 to 31.01 inches of mercury (inHg)
800 to 1050 millibars (mb)

Resolution: 0.03 inHg / 1 mb

Update Rate: 15 minutes

Altitude Adjustment--

Range: -900 to 3600 feet / -300 to 1200 meters

Increments: 30 feet / 10 meters

SETTING THE DATE AND TIME-OF-DAY

1. Press the SET button (the year will flash.)
2. Press the + or – button to select the current year.
3. With the desired year displayed, press the SET button (the date will flash).
4. Press the + or – buttons to select the current date. The date will cycle through the day number first and as the day number passes to the next month, the month will change. Press and hold the + or – button to change the date rapidly.

5. With the desired date displayed, press the SET button (the time-of-day will flash).
6. Press the + or – buttons to select the current time-of-day.
7. With the desired time-of-day displayed, press the SET button (the time-of-day format will flash).
8. Press the + or – buttons to select 12 or 24 hour time-of-day format.
9. With the desired 12/24 hour setting displayed, press the SET button. This will confirm the date and time setting and exit the setting mode.

While in the setting mode, if no buttons are pressed, after approximately 10 seconds the unit will exit from the setting mode.

SELECTING UNITS OF MEASURE

Each press of the UNITS/+ button (located on the right side of the unit) will toggle the display between °C and mb and °F and inHg for temperature and barometric pressure.

ALTITUDE ADJUSTMENT

The default altitude value is 0. For displaying barometric pressure at sea level, no altitude setting is required (the altitude should remain 0).

For monitoring the barometric pressure adjusted to sea level, the local altitude must be entered by following these steps:

The default altitude value is 0. When displaying the barometric pressure in millibars, the altitude is able to be set in 10 meter increments from -300 to 1200 meters. When displaying the barometric pressure in inches of mercury, the altitude is able to be set in 30 foot increments from -900 to 3600 feet. (See the “Selecting Units of Measure” section.)

1. Press the CAL button (located in the battery compartment) for 3 seconds (the altitude will flash)

While in the setting mode, if no buttons are pressed, after approximately 10 seconds the unit will exit from the setting mode.

2. Press the UNITS/+ or – button (located on the side of the unit) to set the desired altitude.
3. With the desired altitude displayed, press the

CAL button (the barometric pressure adjusted to sea level will now appear on the display).

BAROMETRIC PRESSURE TREND CHART

The barometric pressure trend chart shows the barometric pressure variance over the past 12 hours. The variance is represented in rows of inches of mercury in 0.06 inHg increments (left side of display) and millibars in 2 mb increments (right side of display) above or below the current barometric pressure. The current barometric pressure is indicated at “0 Hr” and “0” (no variance).

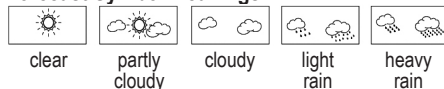
The chart is plotted by comparing the past barometric pressure to the current barometric pressure. The scale on the sides show the comparison results. The “0” in the middle of the scale indicates “no change” from the current barometric pressure reading.

It is only possible to accurately display the barometric pressure trend if the unit remains at the same altitude for the 12 hour period.

WEATHER FORECAST

The weather forecast is based on the changes in barometric pressure over the past 12 hours. The weather forecast symbols do not necessarily reflect the current weather conditions, they are a forecast of future conditions. The accuracy of the weather forecast is about 70 to 75%.

Forecast Symbol Meanings



TIME-OF-DAY ALARM/SNOOZE

1. While in the normal display mode, press the + or – buttons to display and adjust the time-of-day alarm time.
2. To activate the time-of-day alarm, move the slide switch (located on the side of the unit) to the “AL ON” position.

With the time-of-day alarm activated, when the alarm time is reached the alarm will sound. Each press of the SNOOZE button will silence the alarm for 5 minutes (Zz will appear on the display).

To turn off the alarm, move the slide switch to the “AL OFF” position.

DISPLAY ILLUMINATION

The unit features a back-light with 2 modes of illumination for viewing in low light conditions.

Pressing the SNOOZE button will fully illuminate the display for approximately 3 seconds.

Moving the slide switch (located on the side of the unit) to the NIGHT LIGHT position (AL OFF or AL ON) will provide a continuous low level illumination of the display. (This level of illumination is only visible under low light conditions).

ALL OPERATIONAL DIFFICULTIES

If the Altitude Adjustment is incorrectly set, it may cause the barometric pressure reading to be out-of-range. See the “Altitude Adjustment” section and adjust the altitude to correct this difficulty. If the temperature reading is out-of-range, the unit must be placed in an environment that is within the thermometer’s specified temperature range.

If this barometer does not function properly for any reason, replace the batteries with new high quality batteries (see the “Battery Replacement” section). Low battery power can occasionally cause any number of “apparent” operational difficulties. Replacing the batteries with new fresh batteries will solve most difficulties.

BATTERY REPLACEMENT

Erratic readings, faint readings, or no display are all indications that the batteries must be replaced. Remove the battery cover by sliding it in the direction indicated by the arrow. Remove the exhausted batteries and replace them with three (3) new AAA alkaline batteries. Make certain to install the new batteries in the directions indicated in the battery cover. Replace the battery cover. When the batteries are replaced, the barometer returns to the default settings. The following will need to be set after replacing the batteries: Time-of-Day/Date, Units of Measure, and Altitude Adjustment.

WARRANTY, SERVICE, OR RECALIBRATION

For warranty, service, or recalibration, contact:

CONTROL COMPANY

12554 Old Galveston Rd. Suite B230

Webster, Texas 77598 USA

Ph. 281 482-1714 • Fax 281 482-9448

E-mail sales@control3.com • www.traceable.com

Control Company is ISO 9001:2008 Quality-Certified by DNV and ISO/IEC 17025:2005 accredited as a Calibration Laboratory by A2LA.

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TRACEABLE® WORKSTATION BAROMETER WITH CLOCK INSTRUCTIONS