

TRACEABLE® WORKSTATION DIGITAL BAROMETER INSTRUCTIONS

SPECIFICATIONS

Temperature--

Range: 15 to 158 °F / -9.5 to 70 °C

Resolution: 0.5°

Barometric Pressure--

Range: 23.62 to 31.01 inches of

mercury (inHg)

800 to 1050 millibars or hectopascals*

{mb (hPa)}

Resolution: 0.03 inHg / 1 mb (hPa) *1 hPa =

100 pascals = 1 mb

Altitude Adjustment--

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

Increments: 30 feet / 10 meters

SETTING THE TIME-OF-DAY

1. Press the MODE button until the time-of-day is shown on the display.
2. Press and hold the SET button for 3 seconds (the reading above the temperature will flash.) While in the setting mode, if no buttons are pressed, after approximately 10 seconds the unit will exit from the setting mode.
3. Press the ▲ /UNIT button to select 12 or 24 hour time-of-day format.
4. With the desired 12/24 hour setting displayed, press the SET button (the time-of-day minutes will flash.)
5. Press the ▲ /UNIT button to increase the minutes, or the ▼ button to decrease the minutes.
6. With the desired minutes displayed, press the SET button (the time-of-day hours will flash.)
7. Press the ▲ /UNIT button to increase the hours, or the ▼ button to decrease the hours.
8. With the desired hours displayed, press the SET button (the time-of-day will appear on the display.)

DISPLAY MODES

Each press of the MODE button will toggle the display between the Time-of-Day/Temperature display mode and the Barometric Pressure/Temperature display mode.

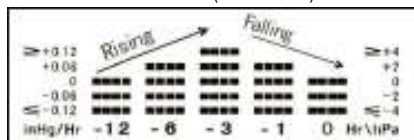
SELECTING UNITS OF MEASURE

Each press of the ▲ /UNIT button will toggle between °C and mb {hPa} and °F and inHg for temperature and barometric pressure.

BAROMETRIC PRESSURE TREND CHART

The barometric pressure trend chart shows the barometric pressure variance over the past 12 hours. The It is only possible to accurately display the barometric pressure trend if the unit remains at the same altitude for the 12 hour period. variance is represented in rows of inches of mercury in 0.06 inHg increments (right side of display) and millibars (hectopascals) in 2 mb (hPa) increments (left 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.

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 MODE button until the barometric pressure appears on the display.
2. Press and hold the SET button for 3 seconds (the reading above the temperature will flash.)

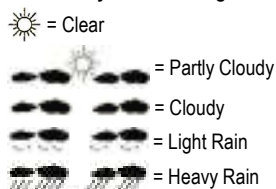
While in the setting mode, if no buttons are pressed, after approximately 10 seconds the unit will exit from the setting mode.

3. Press the ▲ /UNIT button to increase the altitude, or the ▼ button to decrease the altitude.
4. With the desired altitude displayed, press the SET button (the barometric pressure adjusted to sea level will now appear on the display).

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



DISPLAY VIEWING ANGLE

To optimize the viewing angle of the LCD display, place the unit so that the display may be viewed at (or slightly higher than) eye level. Viewing the LCD display below

eye level (looking down at the display), minimizes the LCD display's effectiveness.

ALL OPERATIONAL DIFFICULTIES

"HHH", "LLL", or "---" appearing on the display are all indicators of an out-of-range condition. 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 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, no display, or appearing on the 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 two (2) new AAA alkaline batteries. Make certain to install the new batteries in the directions indicated in the battery cover. Replace the battery compartment. 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 (default value is 0:00 hours), Units of Measure, and Altitude Adjustment (default value is 0).

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.