

Vaccine Alarm Thermometer



Quick Start

1. Your Instrument Includes:
MM120: Temperature indicator with alarm, one (1) thermistor probe, two (2) AA batteries, and three (3) sets of Velcro
MM125: 2 channel temperature indicator with alarm, two (2) thermistor probes, two (2) AA batteries, and four (4) sets of Velcro
2. Insert batteries into battery compartment on the back of the unit. Unit is now on.
3. Place the thermistor probe(s) in the monitoring location
4. Mount the indicator using the included Velcro. Indicator can also be wall mounted via keyhole in back of unit.
5. Allow bottle(s) to normalize before turning on alarm. (Wait approximately 1 hour)

Default Settings

- All dip switches in down position
- Alarm: Off
- Unit of Measure: °F
- Sample Rate: Standard

Change Defaults

1. Alarm:
 - a. Slide toggle switch on the back of the unit to either Alarm On (up) or Alarm Off (down).
 - b. When the alarm is turned on the alarm symbol will appear on the display.
2. Unit of Measure:
 - a. Slide the toggle switch on the back of the unit to either °F (down) or °C (up)
 - b. Display will change reading and display new unit of measure.
3. Display Update:
 - a. Slide toggle switch on the back of the unit to either fast (up) or standard (down).
 - b. Standard = 5 min sample rate; Fast = 1 min sample rate.

Min/Max

1. Min/Max readings are always displayed.
2. To reset Min/Max readings:
 - a. Hold down the Clear button (on the front of the unit) until CLR shows on the display. CLR will display while clearing min/max.
 - b. The Min/Max readings will display the current temperature until next reading is taken.
3. Powering off the unit resets stored min/max values

Setting Alarm High/Low

1. The most common alarm settings have been preset for each channel:
 - a. MM120
 - i. Channel 1: 34°F (low) and 47°F (high) (refrigerator)
 - b. MM125
 - i. Channel 1 (top probe): -20°F (low) and 6°F (high) (freezer)
 - ii. Channel 2 (bottom probe): 34°F (low) and 47°F (high) (refrigerator)
2. To change the presets:
 - a. Press and release the Alarm set button on the back of the unit.
 - b. CH1 and LOW will flash on the display.
 - c. Using the UP and DOWN buttons on the back of the unit, set the target low temperature for channel 1.
 - d. Once the target temperature has been set, Press and release the Alarm Set button again to set CH1 / HIGH.
 - e. Repeat steps a – d above to toggle through CH1/LOW, CH1/HIGH, CH2/LOW, CH2/HIGH (CH2 MM125 only).

Note: If no buttons have been pressed after 15 s, the unit will exit Alarm Set mode and will save all new settings.

Clearing Alarm Conditions

1. When the unit enters alarm mode:
 - a. The Audio Alarm will sound for 30 s
 - b. The alarm symbol will flash, and the out of range high or low reading will flash.
 - c. If no action is taken to clear the alarm, the audio alarm will beep 2 times every 5 min and the display will continue to flash until the clear button is pressed. This condition will continue even if the temperature returns to normal.
2. Clearing an Alarm
 - a. Press the clear button to temporarily stop the audible alarm. The display will continue flashing. If the alarm condition still exists, the unit will sound again once the sample rate period has passed.
 - b. Once the unit moves out of the alarm condition, press and hold the Clear button until CLR is displayed. This will reset the alarm and stop the flashing on the display.
3. Alarm Notification
 - a. If the alarm is not on (dip switch is down), the display will flash if the temperature moves into alarm range.
Note: If no alarm notification is desired, change alarm settings to high/low outer range limits (Low = -58°F, High = 158°F)
 - b. Once the temperature moves out of alarm range, press and hold the clear button until CLR is displayed to reset