

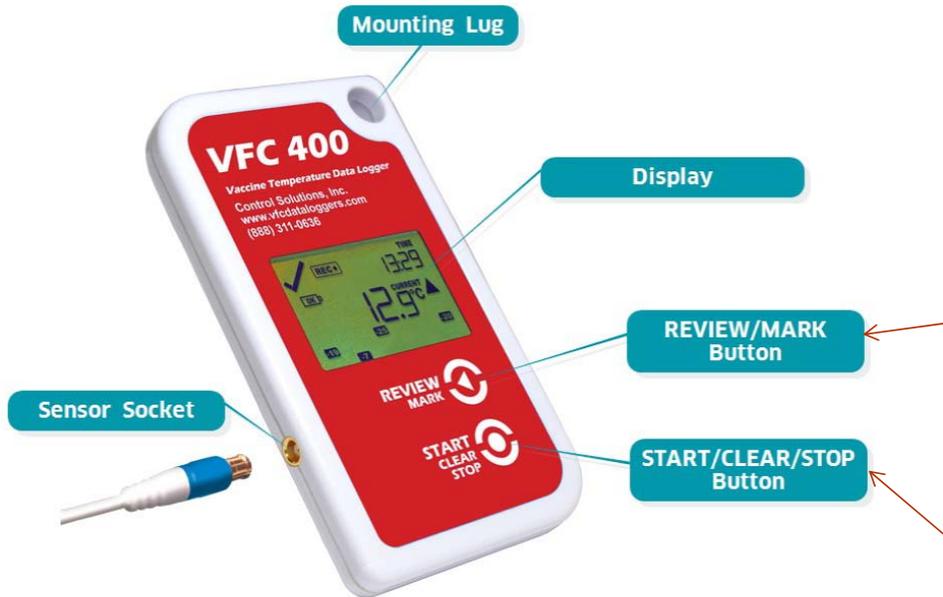
VFC 400 Vaccine Monitoring Data Logger kit

Step 5. VFC 400 Operations

Presented by
Control Solutions
(503) 410-5996

VFC 400 Operations

Buttons Actions Overview



Review/Mark button

Press to enter REVIEW mode and then press again to advance through the min/max temperatures. **This action also places an inspection mark in the log if RECORDING is active. This validates your twice daily temperature logs.**

Start/Clear/Stop button

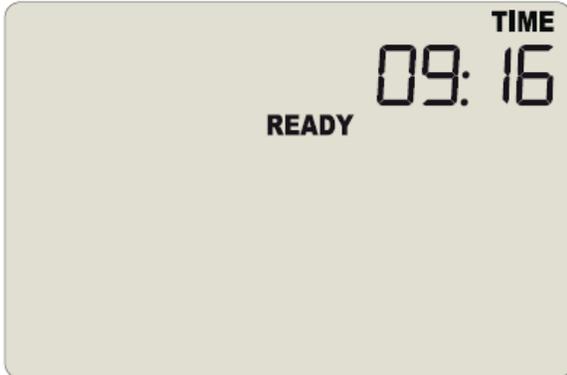
Press to start recording
Press to Stop recording
Press to exit day summary



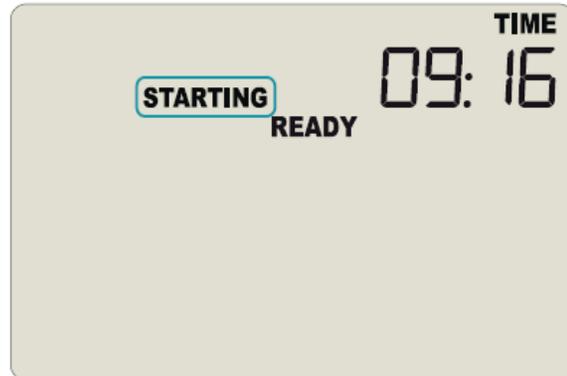
VFC 400 Operations

Starting The Logger

Recorder in *READY* mode



The recorder must be in Ready mode for it to be started. In Ready mode the recorder displays the time and the READY icon.

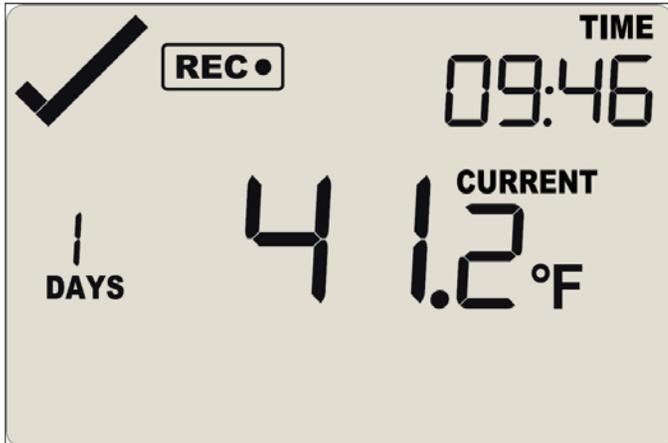


Press and hold the Start/Clear/Stop button. First, STARTING is displayed in addition to READY. Then READY disappears.



VFC 400 Operations

Starting The Logger



Once READY disappears, release the button within two seconds. STARTING will also disappear, and the symbol REC• will be shown. The VFC 400 is now recording temperature data.

Note: The recorder will **not** start if you...
...release the button before READY disappears
...keep holding the button for more than 2 seconds after READY disappears.

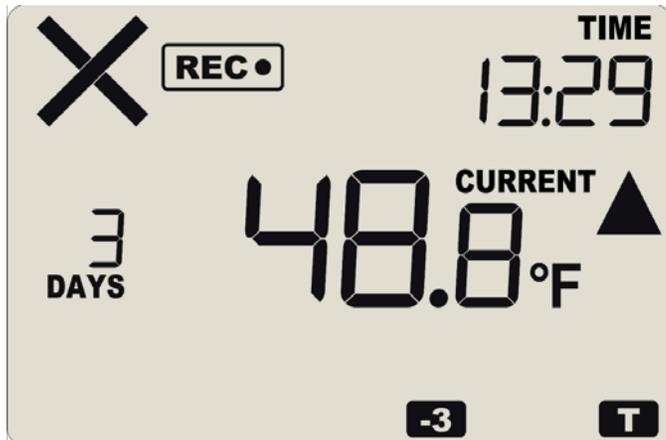
You can see that there are no alarms because there is a ✓ mark in the upper left corner and the audible alarm is not beeping.



VFC 400 Operations

Recording Display

During normal operation the display shows the most recently recorded temperature. This temperature is updated at the same rate as the logging interval. The current time is also displayed (in 24 hour format). A tick symbol ✓ is shown as long as no alarm events have occurred. If an alarm event is registered, a cross symbol X is shown instead of the tick. With this example there is an alarm event as the temperature is above 46 Deg F. The upper right corner has the X symbol and the audible alarm is sounding. The time is 1:29 pm as it displays military time.



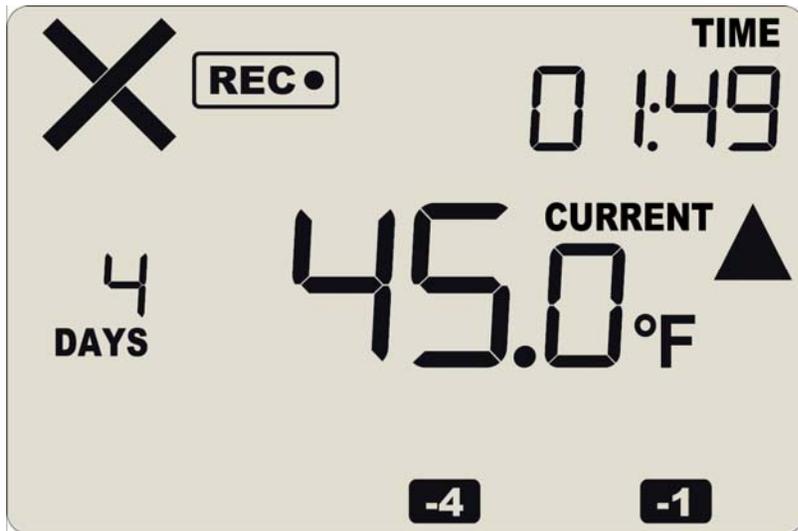
The bottom of the display has an alarm day summary, where any days on which an alarm was recorded are highlighted. Alarm events were recorded today (indicated by the “T”) and 3 days ago (indicated by -3). We can see they were high alarms because of the up triangle ▲.



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Recording Display

At 1:49am the next day the display shows the following:



The temperature has returned to the acceptable range but the alarm remains present. The **X** is still displayed and the audible alarm is still sounding.

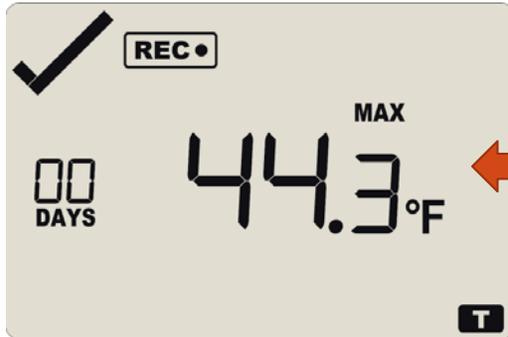
The day summary has shifted by 1 day as the display time has gone through midnight (00:00). -4 day and -1 day are displayed indicating an alarm occurred 4 days ago and 1 day ago.



VFC 400 Operations

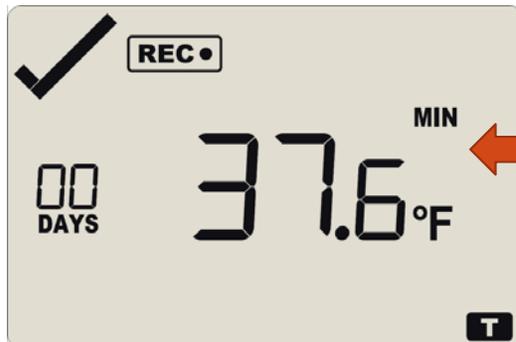
Reviewing Day Statistics

The Review of daily minimum/maximum (min/max) temperatures is accessed by pressing the **REVIEW/MARK** button and is accessible in RECORDING and STOPPED modes only.



Example:

Pressing the **Review/Mark** button displays current day's max temperature. The "T" flashes (indicating Today) and "Day 00" is shown to indicate the 'Today' selection. In this screen example the selected day (Today) does not have any recordings that are outside the acceptance range.



Pressing *Review* button again displays the day's minimum temperature (the "T" flashes).

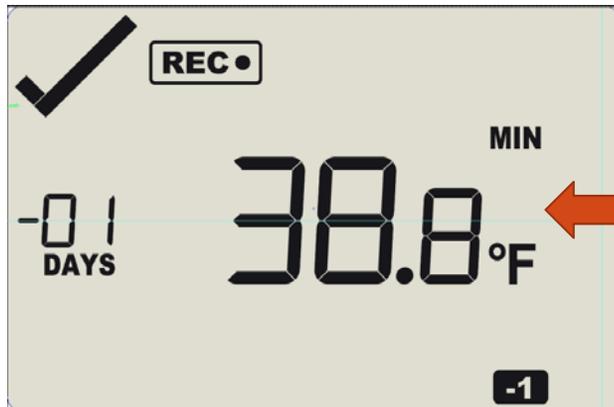


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Reviewing Day Statistics, cont.



Pressing the **Review/Mark** button a 3rd time displays yesterday's max temperature. The "-1" flashes (indicating yesterday) and "-01 days" is shown to indicate the "Yesterday" selection.



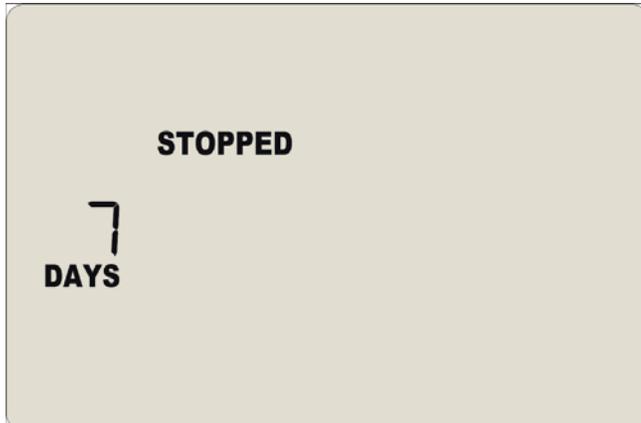
Pressing the **Review/Mark** button a 4th time displays yesterday's min temperature. The "-1" flashes (indicating yesterday) and "-01 days" is shown to indicate the "Yesterday" selection. You can review the min/max for up to 30 days or as long as the loggers has been logging.

Note: If no button is pressed for 30 seconds the regular display returns.



VFC 400 Operations

Stopping the data logger



When it is time to download the data from the data logger we suggest stopping the logger. To accomplish this you hold down the Start/Clear/Stop button for 1-2 seconds. The word STOPPED will appear on the screen as shown on the top right picture. The REC symbol will disappear after 1-2 seconds and you take your finger off the button quickly.

The logger will stop and the screen will only say STOPPED and show the number of days collected. You can now take your logger to your PC, open the software and insert the logger in the docking station to download the data.

