QUICKSTART GUIDE

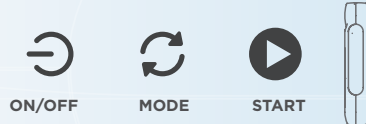*feveR!™* SMART WIRELESS THERMOMETER + RFID READER

feveR!™ COMES WITH A CHARGER AND WORKS ON AN ANDROID TABLET.

APP AVAILABLE ON GOOGLE PLAY

USING THE DEVICE /

The feveR! wireless veterinary thermometer is controlled by the 3 buttons located on the handle.

ON/OFF   MODE   START

The **On/Off** function occurs with a simple push on the ⏻ button.
When "On", the red display panel on the feveR handle will be observed.

The **Mode** button provides 4 separate thermometer functions with each push of the ↻ button.

b = % battery e.g. b 92
˚F   .--   indicates temperature mode
H = % humidity
XX:XX = device number

The **Start** ▶ button is pushed to begin a new temperature reading when feveR is set in the temperature mode.

GET IT ON Google Play

BEFORE YOU BEGIN /

Insert feveR into the charger before initial use. If this is the first time that feveR has been used, please review the license agreement and check the box if the terms of the license agreement are acceptable.

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HOW TO NAVIGATE

On the main page of the feveR app find the 3 dots on the upper right-hand corner. Pressing on these 3 dots brings up the feveR system preferences display.

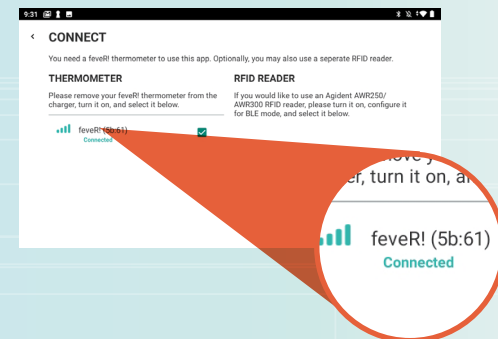To get feveR up and running only two functions need immediate attention: **Connection** & **Preferences**.
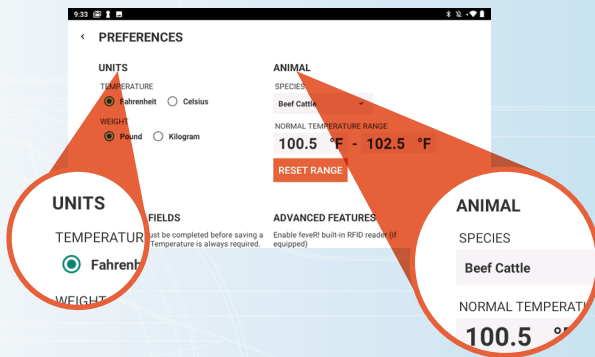

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CONNECT THE APP TO FEVER!

To link feveR to the app, go to the **Connect** page, turn on feveR and the device number (xx:xx) will display on the app. Select the box to the right of the device number to establish the blue tooth connection. When the app and feveR are linked, it will be confirmed by "Connected" appearing under the device number & the box will be checked.

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SET YOUR PREFERENCES

The **Preferences** page on the app allows for the customization of feveR to meet your specific needs. **Units** allows temperature selection between ˚F & ˚C. Weight units can selected between Pounds or Kilograms. Under **Animal** the target Species is selected and the Normal Temperature Range entered. Note that Temps which score in the normal range will display on the app in Green. Temps above normal will display in Red and temps below normal in Blue.
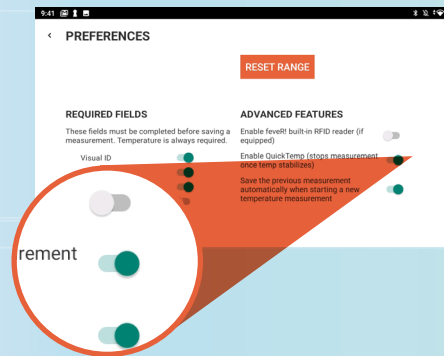

Required Fields represent those values that are deemed necessary or critical to accompany the animal temperature. If a value has been selected as "Required", feveR will not advance to the next temperature or save the data on the current temperature, until that field(s) has been completed. Fields not selected as Required can still have data entered if desired or available.

Advanced Features:

The setting for feveR titled Quick Temp (QT) is designed to analyze the temp feedback and calculate a result as quickly as possible. The default setting for feveR is **Quick Temp** which is designed to analyze the temp and obtain a result as quickly as possible. If for research purposes or when accuracy is more important than the time to temp, one will want to unselect the **QuickTemp** toggle switch.
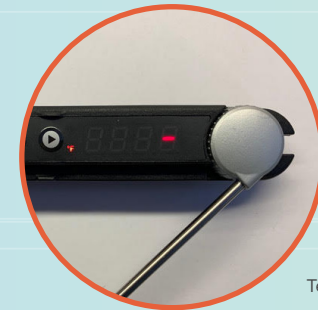

If feveR is **not** set on the **QT** setting the device will **continuously** monitor the temperature until the operator is satisfied and pushes the **Start** ▶ button to stop the reading.

The difference in temperature between **QT & Continuous** settings depends upon the animal and the surrounding environment. Typically, the temperature variation in a water bath is within + or - 0.1 ˚C.

When rapidly working large numbers of animals, feveR can be set to save the previous recording and start the next recording with a single push of the start button. This option is selected under Advanced Features.
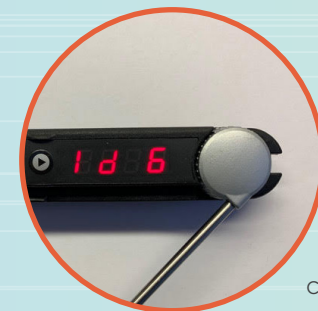
feveR contains an internal or **onboard RFID reader** which can be enabled under **Advanced Features**. If you wish to use this feature, enable the internal reader on the app and then select the temperature mode on the feveR device (see picture below).

Temperature Mode

Press the **Start** ▶ button to initiate the internal RFID reader. A countdown will begin on the feveR device beginning with "ID 8" showing in the display.

The countdown will continue down to "ID 1" taking approximately 12 seconds. (The countdown feature is to conserve battery life.)

Countdown

If the RFID tag or chip has been successfully scanned the last 4 digits of the ID number will show on the feveR device (see below). The full 15 digit number will be displayed on the app. Following the capture of the RFID identification number the operator needs to depress the **Start** ▶ button again to now capture the animal's temperature.

If during the original 12 second window the RFID number was not found, the operator can press the **Start** ▶ button twice to cycle back to obtain the ID number.
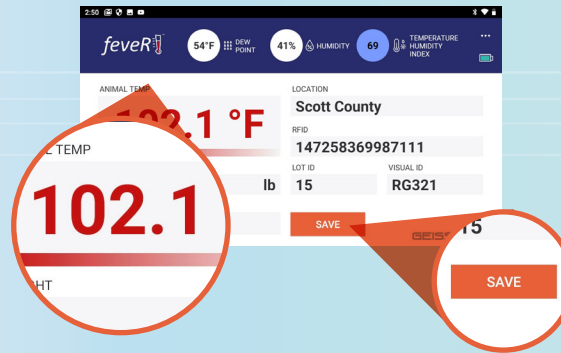
feveR can also utilize an **external RFID stick reader** to capture the animal ID number quickly and accurately. The stick reader is connected to feveR via Bluetooth under the Connect tab. If utilizing a stick reader, no additional adjustments or steps with the feveR device are needed.

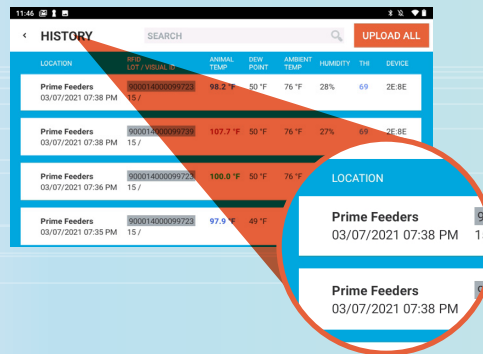## 4 /

MEASURE ANIMAL TEMPERATURE

Quick Temp (default): With feveR connected to the app and the desired preferences set we are now ready to record the animal temperature. Select the temperature display on feveR via the **Mode** switch which will display a red ˚F or ˚C and a red dash line.

(see Temperature Mode inset)

Insert the probe into the animal and push the start ▶ button. The animal's final temperature will be determined in ~10-15 seconds and displayed on the handle and on the app. Complete the required data fields on the app as previously determined in **Preferences** (ID, Location, etc.) and push the **Save** button on the app. If all required fields are complete the temp and supportive data is saved in **History** and we are ready to take the next recording.

Remember that if the **Quick Temp** toggle was not activated under **Preferences**, feveR will continuously search for the temperature and will not estimate a final end point. This Continuous search is typically only desired when highest accuracy is required and the time to obtain a temperature is not an issue.

Note: feveR is programmed to report temperatures in a range from 96.5 ˚F to 115.0 ˚F. Values outside of this range are not compatible with life. "**LO**" is reported when feveR reads a temperature below 96.5 ˚F. "**HI**" is reported if the probe temp exceeds 115.0 ˚F.

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VIEW DATA

After the App **Save** button has been pushed the animal temperature and all supportive data entered on the main app page will be saved under the **History** tab (Fig 1). These data under History will be scrollable and eventually uploaded into the Cloud for future record review and storage. If a previously required field was not completed, the app will not **Save** until the missing data has been entered. A warning note **(Add Required Fields)** will appear and inform of the information needed to complete the record.

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To download/install the feveR! app visit

For questions email fever!@geisslercorp.com

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