

SenseAnywhere Probe Installation Instructions

SU780XLE UPRIGHT ULT FREEZER



Sense
Anywhere

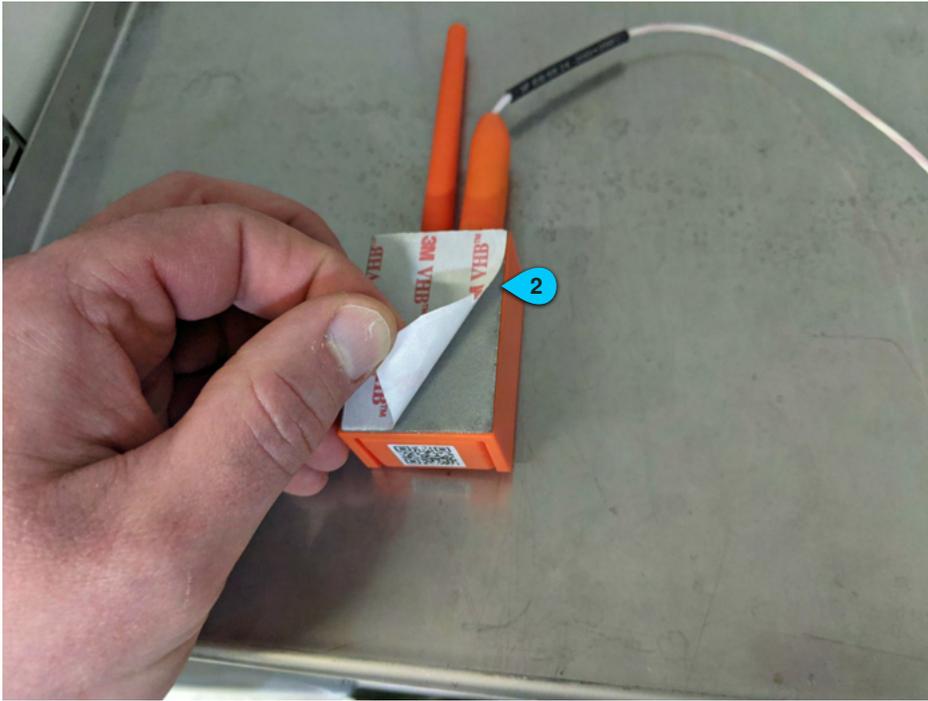
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Template:	No	Product internal revision no.:	
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Author:	Dan Fox		
reviewer:			



Step 1/27

Numbered annotations (1)

- 1 Locate the Sense Anywhere probe



Step 2/27

Numbered annotations (1)

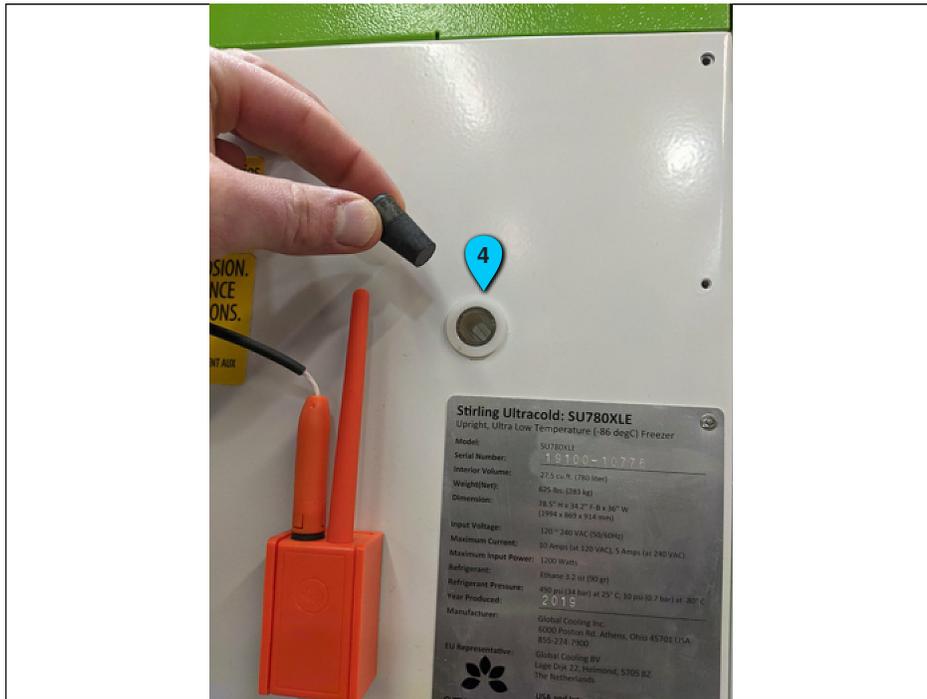
- 2 Remove the adhesive backing of the sensor base



Step 3/27

Numbered annotations (1)

- 3 Attach the sensor to the freezer in a location close to the freezer's access port, located on the handle side of the freezer



Step 4/27

Numbered annotations (1)

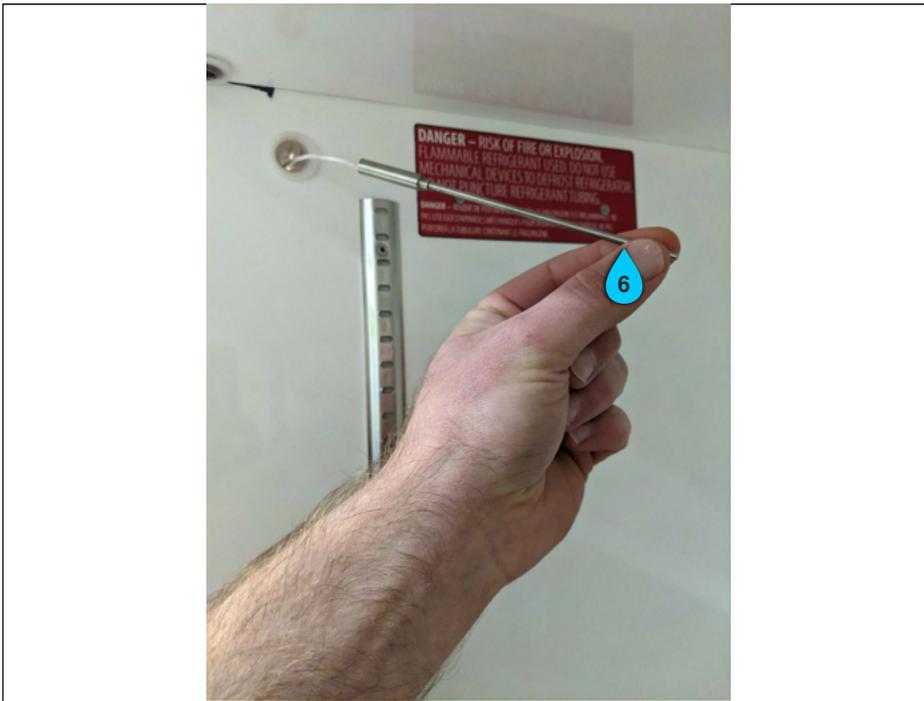
- 4 Remove the port stopper from the access port



Step 5/27

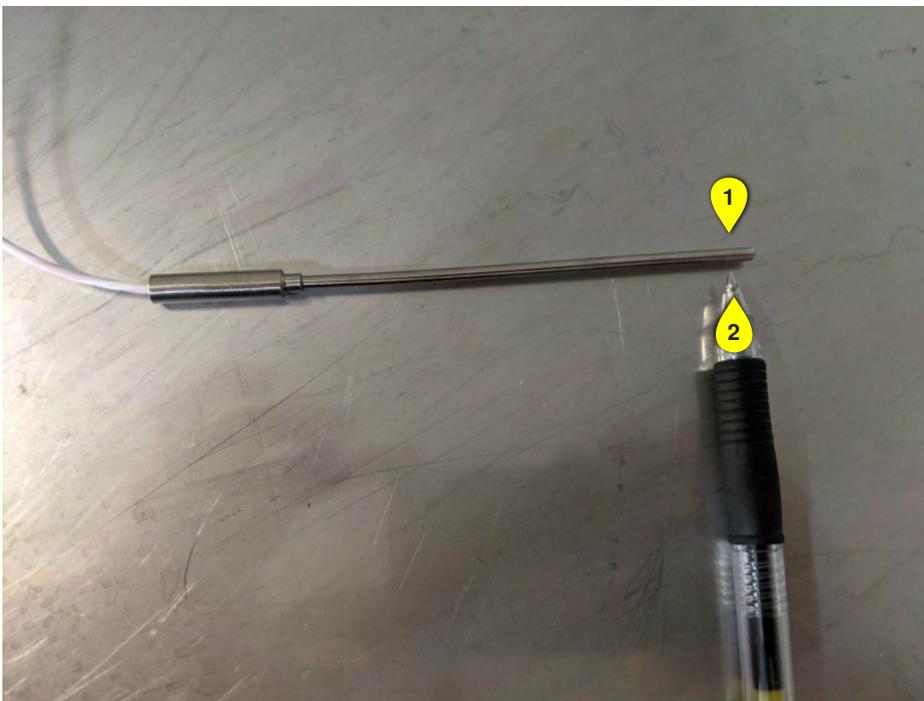
Numbered annotations (1)

- 5 Route the PT100 probe through the access port

**Step 6/27**

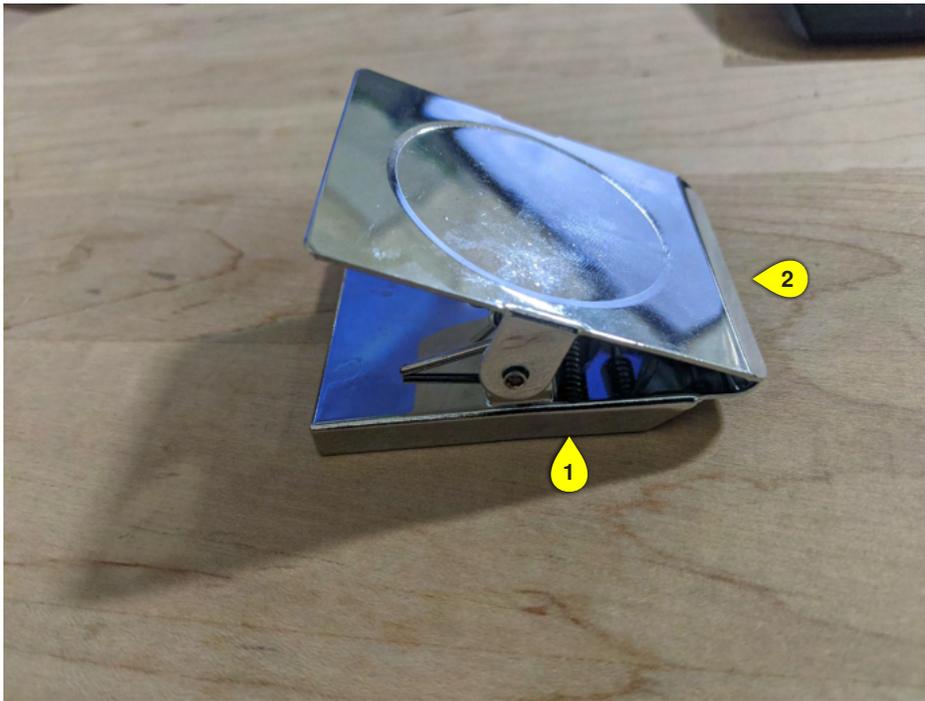
Numbered annotations (1)

- 6 Carefully pull the probe through the access port so as not to bind up the lead wire attached to the probe

**Step 7/27**

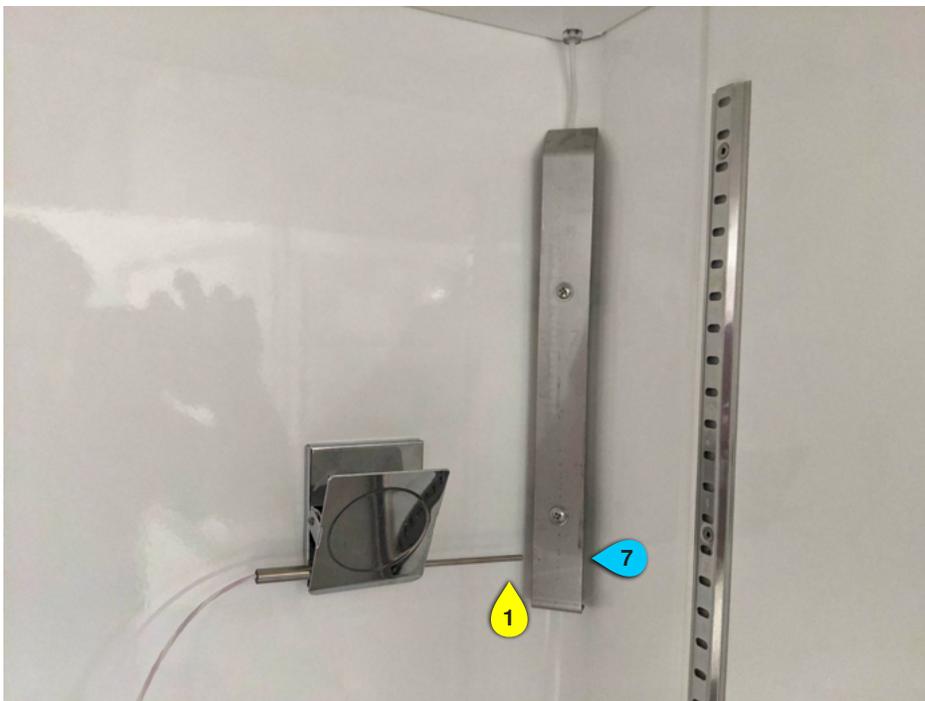
Numbered annotations (2)

- 1 The sensor on the probe that actually measures temperature is located ~ 1/4" up from the tip of the probe
- 2 Keep in mind, when setting this probe in the freezer, the probe will report the temperature where the sensor is on the probe. Therefore it is important to place the tip of the probe where it is most critical for desired use

**Step 8/27**

Numbered annotations (2)

- 1 Optional: Masy offers a magnetic probe clip that is supposed to hold the PT100. This clip may or may not be useful in aiding installation of sensor
- 2 Contact your Stirling Ultracold sales representative if you are interested in more information regarding the clip

**Step 9/27**

Numbered annotations (2)

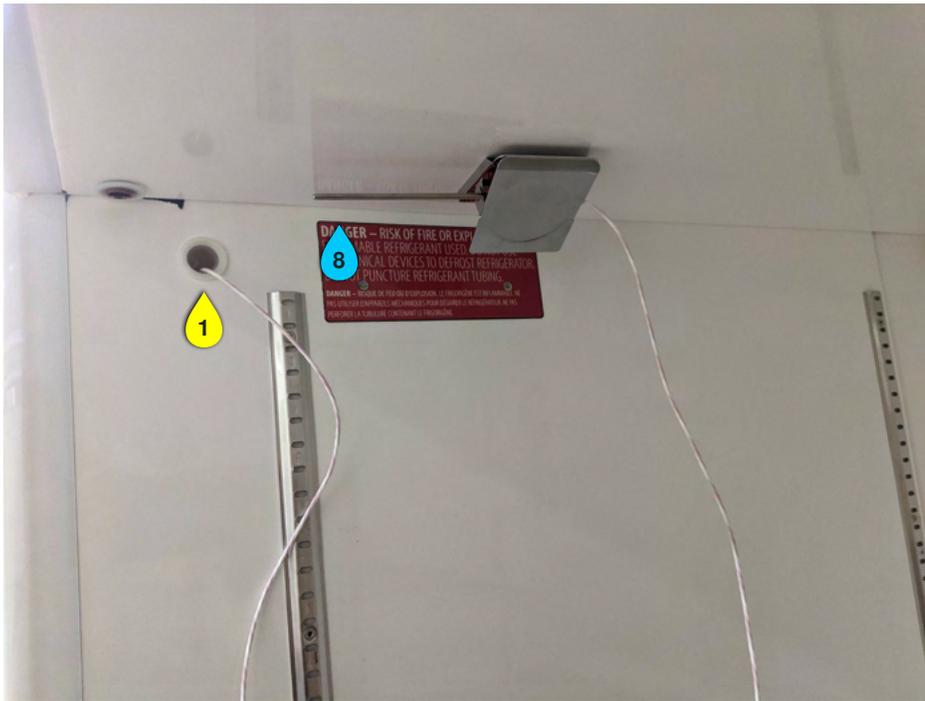
- 7 If the desired effect of the Sense anywhere probe is to offer feedback of the exact temperature of freezer, then the optimal mounting would be as pictured: ~ 1/4" away from cabinet RTD
- 1 This location will provide temperature feedback that is close to the control probe of freezer. Calibrating the freezer RTD to match the Sense Anywhere probe will be covered later in the instructions

Step 10/27

Numbered annotations (2)

8 If it is desirable to measure the warmest section of the freezer, then the Sense Anywhere probe should be installed in the freezer close to the access port. Typically this area of the SU780XLE will be ~ 5°C than the setpoint of freezer

1 Access Port

**Step 11/27**

Numbered annotations (2)

9 Conversely, if it is desired to monitor the coldest area of the freezer, install probe in the middle section, close to the back wall as pictured

1 Ultimately the probe should be installed nearest what is most concerning or necessary for your use





Step 12/27

Numbered annotations (1)

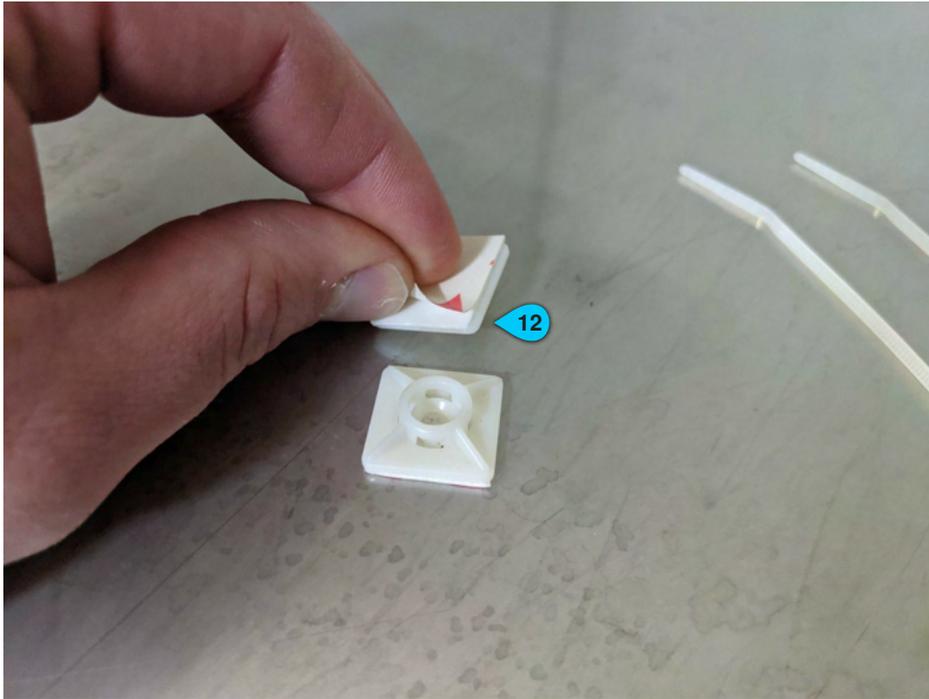
- 10 When utilizing the entirety of a shelf with a racking system, as indicated by this picture, the Masy magnetic clip will not be applicable



Step 13/27

Numbered annotations (1)

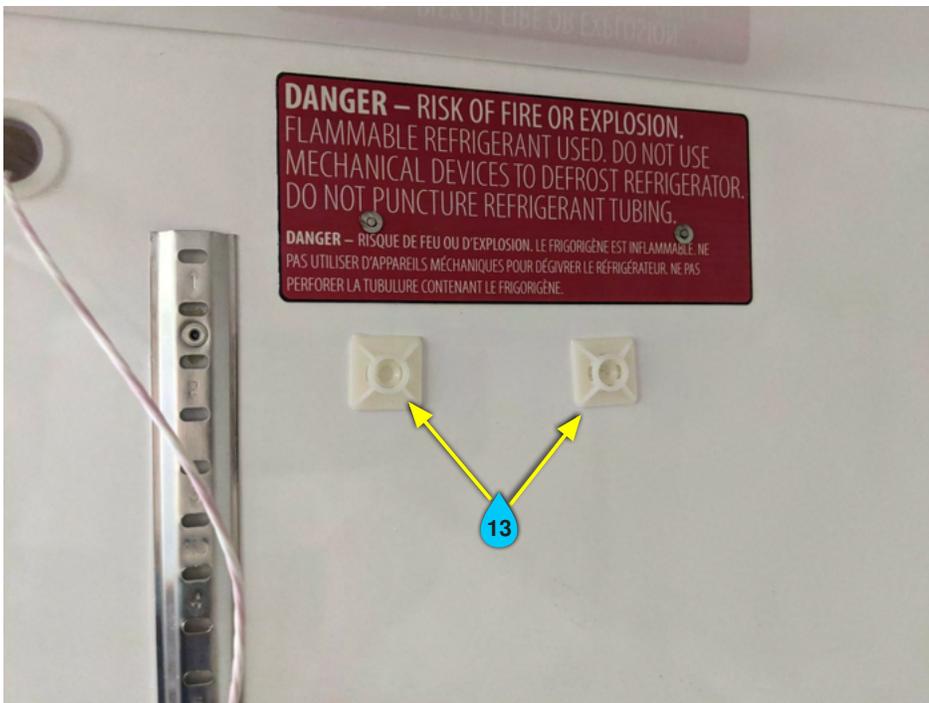
- 11 Using two cable tie mounting pads and two complimentary cable ties, sensor can be mounted even in areas where racking system utilizes almost all of freezer real estate



Step 14/27

Numbered annotations (1)

- 12 Remove the adhesive backing from the cable tie mounting pad



Step 15/27

Numbered annotations (1)

- 13 Install mounting pads to the wall of the freezer in the desired location

Step 16/27

Numbered annotations (1)

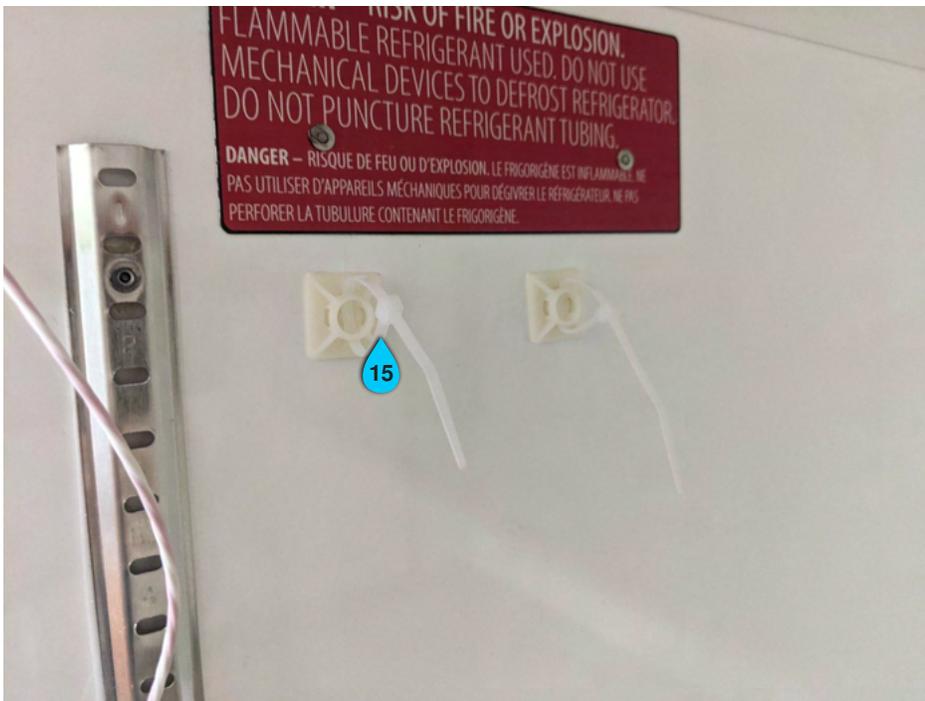
- 14 Route cable tie through mounting pad, as pictured



Step 17/27

Numbered annotations (1)

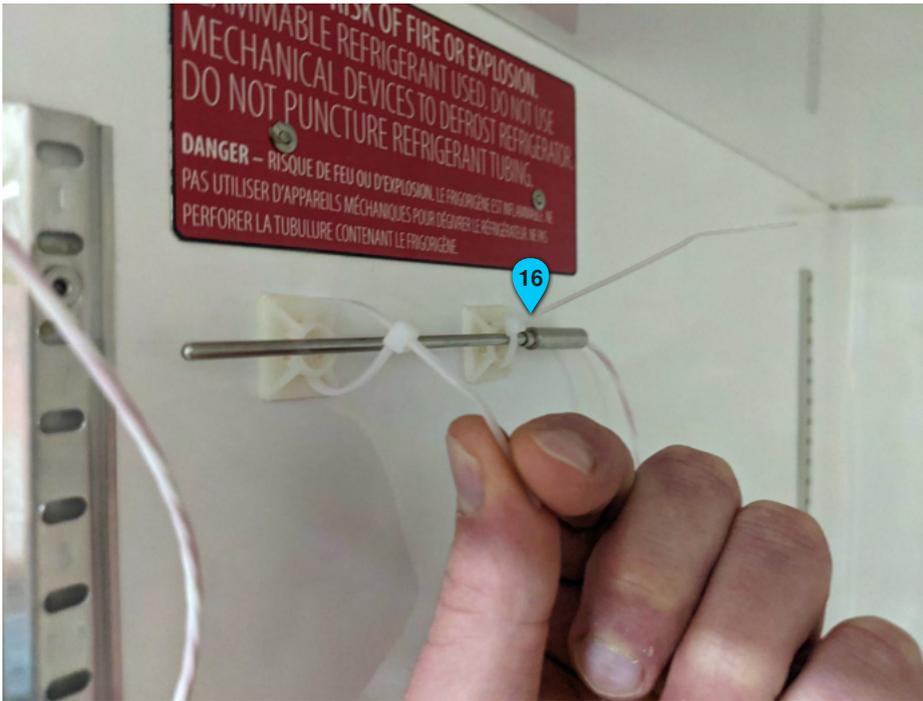
- 15 Route the cable ties through their respective clasps, leaving plenty of room to slide probe through both mounts



Step 18/27

Numbered annotations (1)

- 16 Route the probe through the cable ties, and begin tightening cable ties to securely hold probe in place. Ensuring sensor part of probe is not contacting pads

**Step 19/27**

Numbered annotations (2)

- 17 Cut away excess of cable tie if desirable. Left with a securely mounted probe, able to exist on shelf with racking system
- 18 To keep the lead wire from probe contacting any racking, one can opt for a small piece of all weather aluminum tape to hold wire against freezer wall



**Step 20/27**

Numbered annotations (1)

- 1 Probe is not contacting wall of freezer, nor racks, it is monitoring air temperature, which is ideal

**Step 21/27**

Numbered annotations (1)

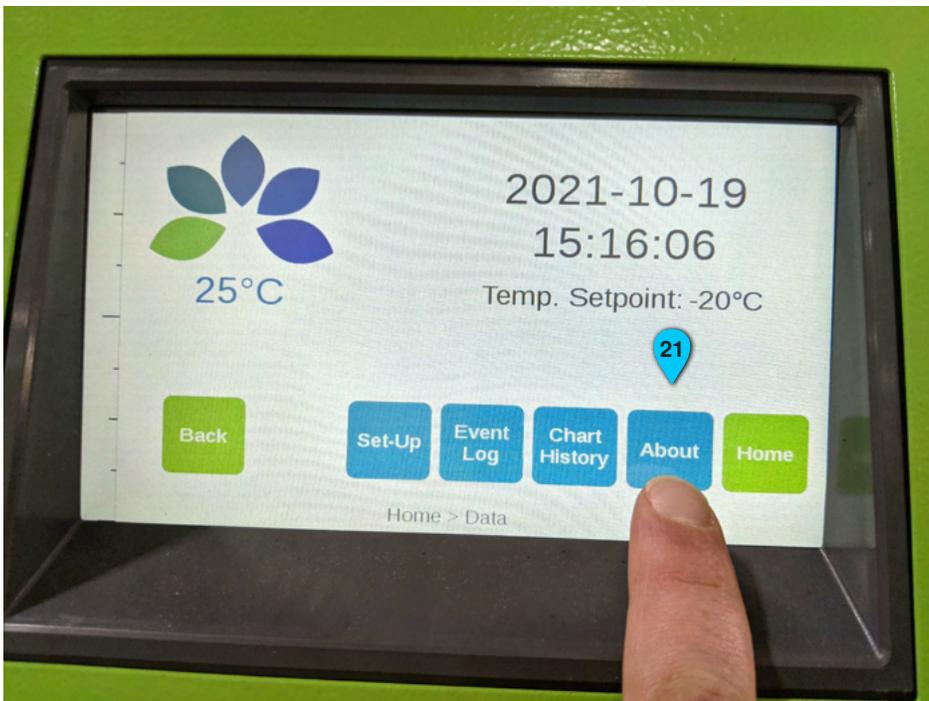
- 19 Once probe is set in desired location, freezer may be turned on. If user wishes to calibrate freezer probe to match Sense Anywhere probe; continue instructions



Step 22/27

Numbered annotations (1)

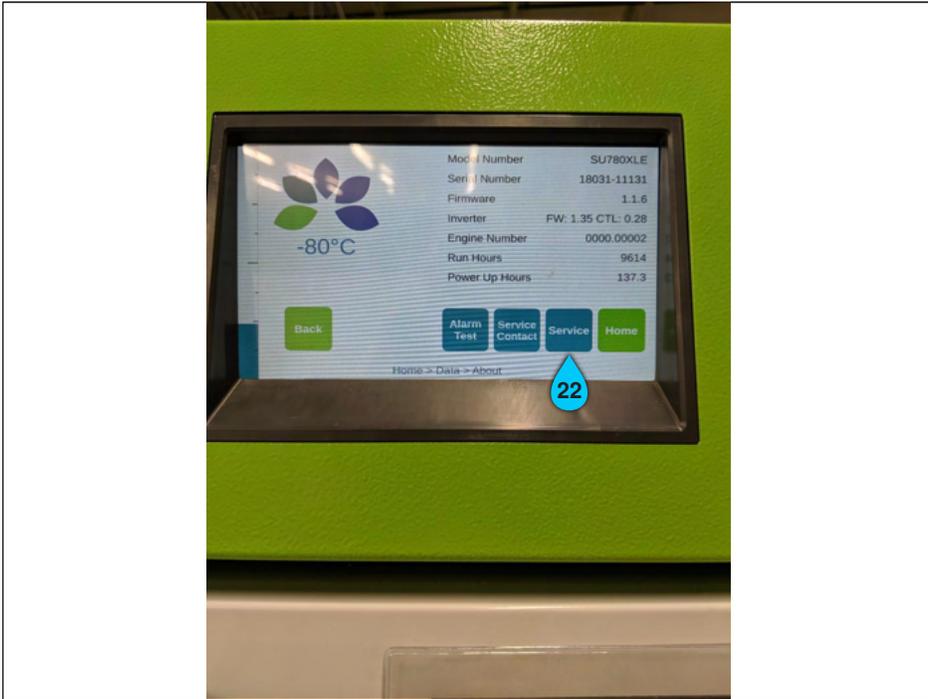
- 20 Touch anywhere on screen



Step 23/27

Numbered annotations (1)

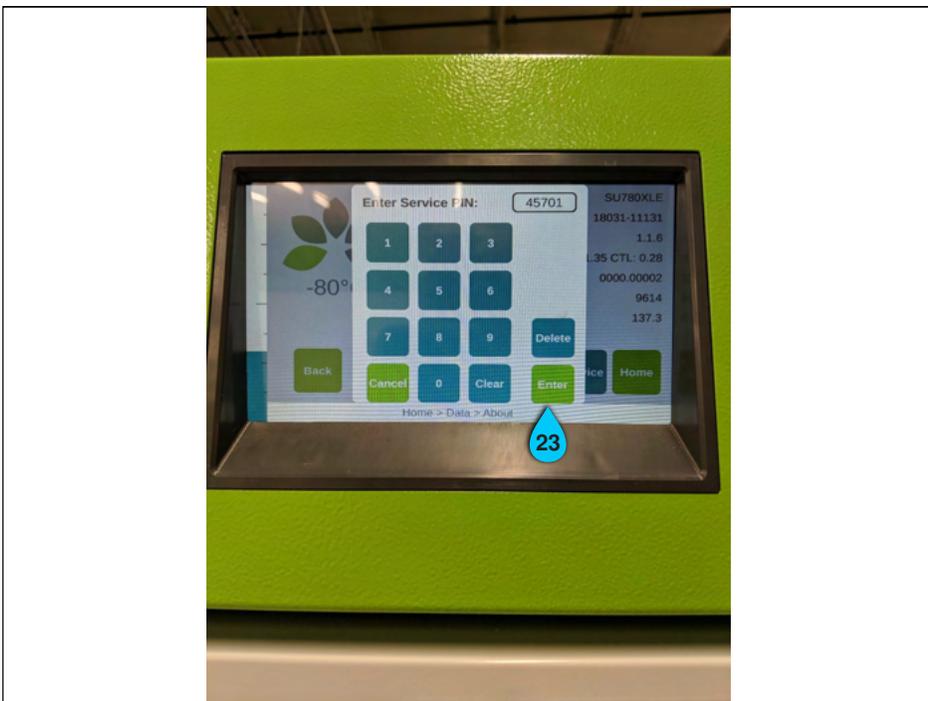
- 21 Press the "About" button



Step 24/27

Numbered annotations (1)

- 22 Press "Service" button



Step 25/27

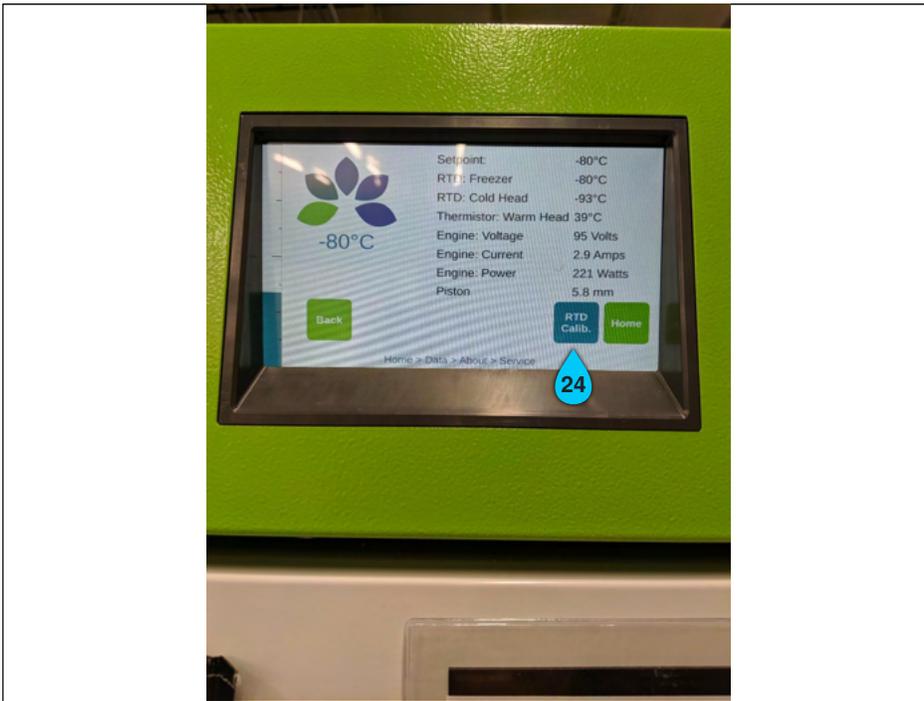
Numbered annotations (1)

- 23 Using the on-screen keypad, press "4-5-7-0-1" then press "Enter"

Step 26/27

Numbered annotations (1)

24 Press the "RTD Calib" button



Step 27/27

Numbered annotations (1)

25 Using the "+" and "-" sign adjust the freezer's RTD probe to better match the Sense anywhere probe

