

SRF600 Battery Change

Setra CEMS SRH600 Procedure

What is happening at the SRF when the battery dies?

STOP indicates the logging as stopped due to a low battery.

What will you need to perform this procedural?

- SRF
- 4 new AA Batteries
- Setra EDGE
- Temporary connection to Setra EDGE portal

What will be implemented by us in your dashboard?

Our team will be adding thresholds to the battery parameter to help your facility change batteries when the time is right:

- Low Action Level: 30
- Low Alarm Level: 10

What to do when the SRF battery dies?

1. Remove old batteries.
2. Wait for 5 minutes after removal and make sure display has gone blank.
3. Re-task the SRF (Resume logging and data to be pushed to the cloud)
 - a. Login to the EDGE portal
 - b. Navigate to the devices
 - c. Edit that device (You can change any name of the internal/external sensor and shouldn't affect anything. Do not change anything else.)

The screenshot shows the 'Edit Device' configuration interface. It includes sections for 'Task Info' with checkboxes for 'Speaker' and 'Alarm LED'. 'Sensor Scale' is set to '°C'. 'WiFi On Rate' is '10 Minutes' and 'Log Rate' is '1 Minute'. Under 'Internal Sensor', the name is 'Ttehhhhhdg', 'Warning' is unchecked, and 'Alarm' is checked. Thresholds are: Warning Low (0), Warning High (0), Warning Delay (0); Alarm Low (0), Alarm High (28), Alarm Delay (0). 'CANCEL' and 'SAVE' buttons are at the bottom.

- d. Save to the device.
- e. A pop-up to upload will appear.
- f. Click upload. (This will initiate the re-tasking.)

Why do we need to follow this procedural?

This is to allow the microprocessor to do power on reset. It consumes so little power that the PCB capacitors can have enough charge to keep the logger working.

A full reset is required to clear the low battery flag and force it to take a new battery voltage measurement.