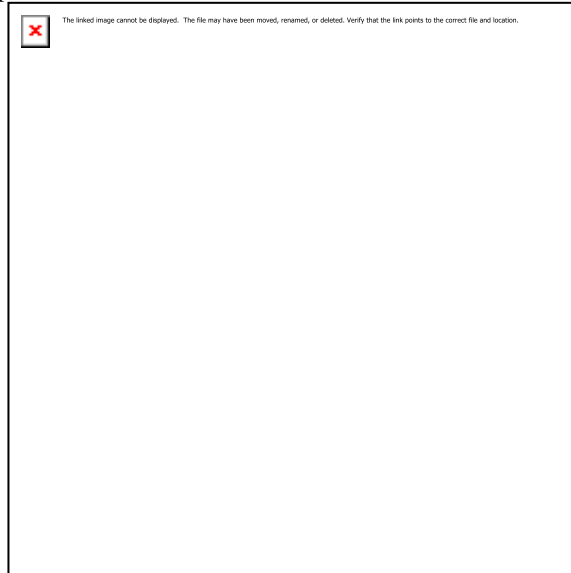# File Documentation

//Mac/Home/Desktop/ESE 381/Labs/Lab 10/lab10_task1/lab10_task1/bme680.c File Reference

Sensor driver for BME680 sensor.
```
#include "bme680.h"
```
Include dependency graph for bme680.c:

Functions

- int8_t **bme680_init** (struct **bme680_dev** *dev)
  This API is the entry point. It reads the chip-id and calibration data from the sensor.

- int8_t **bme680_get_regs** (uint8_t reg_addr, uint8_t *reg_data, uint16_t len, struct **bme680_dev** *dev)
  This API reads the data from the given register address of the sensor.

- int8_t **bme680_set_regs** (const uint8_t *reg_addr, const uint8_t *reg_data, uint8_t len, struct **bme680_dev** *dev)
  This API writes the given data to the register address of the sensor.

- int8_t **bme680_soft_reset** (struct **bme680_dev** *dev)
  This API performs the soft reset of the sensor.

- int8_t **bme680_set_sensor_settings** (uint16_t desired_settings, struct **bme680_dev** *dev)
  This API is used to set the oversampling, filter and T,P,H, gas selection settings in the sensor.

- int8_t **bme680_get_sensor_settings** (uint16_t desired_settings, struct **bme680_dev** *dev)
  This API is used to get the oversampling, filter and T,P,H, gas selection settings in the sensor.

- int8_t **bme680_set_sensor_mode** (struct **bme680_dev** *dev)