This API is used to get the oversampling, filter and T,P,H, gas selection settings in the sensor.

Parameters

in	*dev*	: Structure instance of **bme680_dev**.
in	*desired_settings*	: Variable used to select the settings which are to be get from the sensor.

Returns

Result of API execution status

Return values

zero	-> Success / +ve value -> Warning / -ve value -> Error.

Definition at line 537 of file bme680.c.

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.

CPP guard

Parameters

in,out	*dev*	: Structure instance of **bme680_dev**

Returns

Result of API execution status

Return values

zero	-> Success / +ve value -> Warning / -ve value -> Error

Definition at line 287 of file bme680.c.

void bme680_set_profile_dur (uint16_t *duration*, struct bme680_dev * *dev*)

This API is used to set the profile duration of the sensor.

Parameters

in	*dev*	: Structure instance of **bme680_dev**.
in	*duration*	: Duration of the measurement in ms.

Returns

Nothing

Definition at line 647 of file bme680.c.

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.

Parameters

in	*reg_addr*	: Register address from where the data to be written.
in	*reg_data*	: Pointer to data buffer which is to be written in the sensor.
in	*len*	: No of bytes of data to write..
in	*dev*	: Structure instance of **bme680_dev**.