```c
/** Buffer length macro declaration */
#define BME680_TMP_BUFFER_LENGTH     UINT8_C(40)
#define BME680_REG_BUFFER_LENGTH     UINT8_C(6)
#define BME680_FIELD_DATA_LENGTH     UINT8_C(3)
#define BME680_GAS_REG_BUF_LENGTH    UINT8_C(20)

/** Settings selector */
#define BME680_OST_SEL           UINT16_C(1)
#define BME680_OSP_SEL           UINT16_C(2)
#define BME680_OSH_SEL           UINT16_C(4)
#define BME680_GAS_MEAS_SEL      UINT16_C(8)
#define BME680_FILTER_SEL        UINT16_C(16)
#define BME680_HCNTRL_SEL        UINT16_C(32)
#define BME680_RUN_GAS_SEL       UINT16_C(64)
#define BME680_NBCONV_SEL        UINT16_C(128)
#define BME680_GAS_SENSOR_SEL        (BME680_GAS_MEAS_SEL | BME680_RUN_GAS_SEL | BME680_NBCONV_SEL)

/** Number of conversion settings*/
#define BME680_NBCONV_MIN        UINT8_C(0)
#define BME680_NBCONV_MAX        UINT8_C(10)

/** Mask definitions */
#define BME680_GAS_MEAS_MSK UINT8_C(0x30)
#define BME680_NBCONV_MSK    UINT8_C(0X0F)
#define BME680_FILTER_MSK    UINT8_C(0X1C)
#define BME680_OST_MSK       UINT8_C(0XE0)
#define BME680_OSP_MSK       UINT8_C(0X1C)
#define BME680_OSH_MSK       UINT8_C(0X07)
#define BME680_HCTRL_MSK     UINT8_C(0x08)
#define BME680_RUN_GAS_MSK   UINT8_C(0x10)
#define BME680_MODE_MSK      UINT8_C(0x03)
#define BME680_RHRANGE_MSK   UINT8_C(0x30)
#define BME680_RSERROR_MSK   UINT8_C(0xf0)
#define BME680_NEW_DATA_MSK  UINT8_C(0x80)
#define BME680_GAS_INDEX_MSK     UINT8_C(0x0f)
#define BME680_GAS_RANGE_MSK     UINT8_C(0x0f)
```