

- #define BME680\_SOFT\_RESET\_ADDR UINT8\_C(0xe0)
- #define BME680\_ENABLE\_HEATER UINT8\_C(0x00)
- #define BME680\_DISABLE\_HEATER UINT8\_C(0x08)
- #define BME680\_DISABLE\_GAS\_MEAS UINT8\_C(0x00)
- #define BME680\_ENABLE\_GAS\_MEAS UINT8\_C(0x01)
- #define BME680\_OS\_NONE UINT8\_C(0)
- #define BME680\_OS\_1X UINT8\_C(1)
- #define BME680\_OS\_2X UINT8\_C(2)
- #define BME680\_OS\_4X UINT8\_C(3)
- #define BME680\_OS\_8X UINT8\_C(4)
- #define BME680\_OS\_16X UINT8\_C(5)
- #define BME680\_FILTER\_SIZE\_0 UINT8\_C(0)
- #define BME680\_FILTER\_SIZE\_1 UINT8\_C(1)
- #define BME680\_FILTER\_SIZE\_3 UINT8\_C(2)
- #define BME680\_FILTER\_SIZE\_7 UINT8\_C(3)
- #define BME680\_FILTER\_SIZE\_15 UINT8\_C(4)
- #define BME680\_FILTER\_SIZE\_31 UINT8\_C(5)
- #define BME680\_FILTER\_SIZE\_63 UINT8\_C(6)
- #define BME680\_FILTER\_SIZE\_127 UINT8\_C(7)
- #define BME680\_SLEEP\_MODE UINT8\_C(0)
- #define BME680\_FORCED\_MODE UINT8\_C(1)
- #define BME680\_RESET\_PERIOD UINT32\_C(10)
- #define BME680\_MEM\_PAGE0 UINT8\_C(0x10)
- #define BME680\_MEM\_PAGE1 UINT8\_C(0x00)
- #define BME680\_HUM\_REG\_SHIFT\_VAL UINT8\_C(4)
- #define BME680\_RUN\_GAS\_DISABLE UINT8\_C(0)
- #define BME680\_RUN\_GAS\_ENABLE UINT8\_C(1)
- #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)
- #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)
- #define BME680\_NBCONV\_MIN UINT8\_C(0)
- #define BME680\_NBCONV\_MAX UINT8\_C(10)
- #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)