```c
    /*! Pressure oversampling */
    uint8_t os_pres;
    /*! Filter coefficient */
    uint8_t filter;
};

/*!
 * @brief BME680 gas sensor which comprises of gas settings
 *  and status parameters
 */
struct  bme680_gas_sett {
    /*! Variable to store nb conversion */
    uint8_t nb_conv;
    /*! Variable to store heater control */
    uint8_t heatr_ctrl;
    /*! Run gas enable value */
    uint8_t run_gas;
    /*! Heater temperature value */
    uint16_t heatr_temp;
    /*! Duration profile value */
    uint16_t heatr_dur;
};

/*!
 * @brief BME680 device structure
 */
struct  bme680_dev {
    /*! Chip Id */
    uint8_t chip_id;
    /*! Device Id */
    uint8_t dev_id;
    /*! SPI/I2C interface */
    enum bme680_intf intf;
    /*! Memory page used */
    uint8_t mem_page;
    /*! Ambient temperature in Degree C */
    int8_t amb_temp;
```