```c
/* structure definitions */
/*!
 * @brief Sensor field data structure
 */
struct  bme680_field_data {
    /*! Contains new_data, gasm_valid & heat_stab */
    uint8_t status;
    /*! The index of the heater profile used */
    uint8_t gas_index;
    /*! Measurement index to track order */
    uint8_t meas_index;

#ifndef BME680_FLOAT_POINT_COMPENSATION
    /*! Temperature in degree celsius x100 */
    int16_t temperature;
    /*! Pressure in Pascal */
    uint32_t pressure;
    /*! Humidity in % relative humidity x1000 */
    uint32_t humidity;
    /*! Gas resistance in Ohms */
    uint32_t gas_resistance;
#else
    /*! Temperature in degree celsius */
    float temperature;
    /*! Pressure in Pascal */
    float pressure;
    /*! Humidity in % relative humidity x1000 */
    float humidity;
    /*! Gas resistance in Ohms */
    float gas_resistance;

#endif

};

/*!
```