```
return calc_temp;
}
/*!
 * @brief This internal API is used to calculate the pressure value.
*/
static uint32 t calc pressure(uint32 t pres adc, const struct bme680 dev *dev)
    int32_t var1;
    int32 t var2;
    int32 t var3;
    int32 t pressure comp;
    var1 = (((int32 \ t)dev - > calib.t \ fine) >> 1) - 64000;
   var2 = ((((var1 >> 2) * (var1 >> 2)) >> 11) *
        (int32 t)dev->calib.par p6) >> 2;
   var2 = var2 + ((var1 * (int32 t)dev->calib.par p5) << 1);
    var2 = (var2 >> 2) + ((int32_t)dev->calib.par_p4 << 16);</pre>
   var1 = (((((var1 >> 2) * (var1 >> 2)) >> 13) *
        ((int32\ t)dev->calib.par\ p3 << 5)) >> 3) +
        (((int32 t)dev->calib.par p2 * var1) >> 1);
    var1 = var1 >> 18;
    var1 = ((32768 + var1) * (int32 t)dev->calib.par p1) >> 15;
    pressure comp = 1048576 - pres adc;
    pressure comp = (int32 t)((pressure comp - (var2 >> 12)) * ((uint32 t)3125));
    if (pressure_comp >= BME680_MAX_OVERFLOW_VAL)
        pressure comp = ((pressure comp / var1) << 1);</pre>
    else
        pressure comp = ((pressure comp << 1) / var1);</pre>
   var1 = ((int32_t)dev \rightarrow calib.par_p9 * (int32_t)(((pressure_comp >> 3) *
        (pressure comp >> 3)) >> 13)) >> 12;
   var2 = ((int32 t)(pressure comp >> 2) *
        (int32 t)dev->calib.par p8) >> 13;
   var3 = ((int32 t)(pressure comp >> 8) * (int32 t)(pressure comp >> 8) *
        (int32 t)(pressure comp >> 8) *
        (int32 t)dev->calib.par p10) >> 17;
```