S2GOPRESSUREDPS310TOBO1

EVAL BOARD S2GO PRESSURE DPS310

Description:

Infineon's 2Go boards offer a unique customer and evaluation experience – the boards are equipped with one DPS310 barometric pressure sensor and come with a ready to use Arduino library. Customers can now develop their own system solutions by combining 2Go boards together with Infineon MyIoT adapters. MyIoT adapters are gateways to external hardware solutions like Arduino and Raspberry PI, which are popular IoT hardware platforms. All this enables the fastest evaluation and development of IoT system.

Summary of Features:

- Ultra-high +/-0.005 hPa resolution (equating to +/-5 cm)
- Very good temperature stability due to a linear temperature dependency. Relative accuracy ±0.06 hPa
- Integrated FIFO can store up to 32 pressure/temperature measurements, which enables energy savings on system level
- Optimized energy usage (fully configurable precision and measurement rate)
- Wide pressure operation range 300hPa – 1200hPa
- 3um current consumption in low power mode
- Temperature accuracy ±0.5°C
- Free and easy download of Arduino libraries
- 2Go boards can be easily combined to systems by using MyIoT adapters

Target Applications:

- Smart home
- Wearables (sport & fitness tracking)
- Drones
- Indoor and outdoor navigation
- Accurate altitude metering
- Weather forecast and storm warning
- IoT applications
- HDDs

Parametrics

Parametrics	S2GO PRESSURE DPS310
Configuration	DPS310
Description	S2Go_Pressure_DPS310 is an Arduino shield including DPS310. It comes together with Arduino library and it is pin-to-pin compatible with Infineon XMC2Go MCU board and can be easily connected to different Arduino boards by using Infineon Shield 2Go Adapter.
Family	Sensor
Input Type	DC
Product Description	Arduino shield with DPS310
Qualification	Consumer
Target Application	Consumer
Type	Evaluation Board