

BAROMETER click



PID: MIKROE-1817

RS Product code: [136-0706](#)

Barometer click carries the LPS25HB IC, which is a piezoresistive absolute pressure sensor with a measurement range from 260 to 1260 hPa (with a 24-bit resolution output). It's a high precision sensor: in high resolution mode it can measure pressure within 0.01 hPa RMS. A low resolution mode can be implemented to reduce power consumption. Barometer click can communicate with the target board MCU either through I2C or SPI pins (which is specified by soldering onboard jumpers in appropriate position). An interrupt pin is also available, which can be configured either as Data Ready (sends signal when pressure value changes) or as a threshold trigger (sends signal when specified high or low pressure value is reached). The board uses a 3.3V power supply only.

Specification

Product Type	Pressure / Altitude
Applications	Enhancing GPS functionality, altitude measurement for wearables, weather station equipment etc.
On-board modules	LPS25HB IC
Key Features	260 to 1260 hPa measurement range (24-bit resolution output)
Key Benefits	Precision: 0.01 hPa RMS in high resolution mode. Configurable, multifunctional interrupt pin
Interface	I2C or SPI
Power Supply	3.3V
Compatibility	mikroBUS
Click board size	S (28.6 x 25.4 mm)
Weigh	30g

Downloads

[Barometer click - Example](#)

[Barometer click - User Manual](#)