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Barometer 13 Click

PID: MIKROE-5921

Barometer 13 Click is a compact add-on board that measures air pressure in a specific environment. This board features the BMP585, a barometric pressure sensor from Bosch Sensortec. It has a nominal operating pressure range of 30 up to 125kPa and a temperature operating range from -40 to +85°C. The sensor provides true absolute pressure and temperature readings due to on-chip linearization and temperature compensation. This Click board™ makes the perfect solution for the development of handsets, portable devices, home weather stations, virtual and augmented reality devices, and more.

Barometer 13 Click is fully compatible with the mikroBUS™ socket and can be used on any host system supporting the mikroBUS™ standard. It comes with the ;mikroSDK open-source libraries, offering unparalleled flexibility for evaluation and customization. What sets this Click board™ apart is the groundbreaking ClickID feature, enabling your host system to seamlessly and automatically detect and identify this add-on board.

Specifications

Type	Pressure
Applications	Can be used for the development of handsets, portable devices, home weather stations, virtual and augmented reality devices, and more
On-board modules	BMP585 - barometric pressure sensor from Bosch Sensortec
Key Features	Pressure and temperature sensor, ultra-low noise and current consumption, high accuracy, wide output data rates depending on the mode of operation, programmable low-pass filter, on-chip FIFO buffer for up to 32 pressure samples, and more
Interface	I2C,SPI
ClickID	Yes
Compatibility	mikroBUS™
Click board size	S (28.6 x 25.4 mm)
Input Voltage	3.3V

Resources

mikroBUS™

mikroSDK

Click board™ Catalog

Click Boards™

ClickID

Downloads

Barometer 13 click example on Libstock

Barometer 13 click 2D and 3D files

Barometer 13 click schematic

BMP585 datasheet