

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.

Mikroe produces entire development toolchains for all major microcontroller architectures.

Committed to excellency, we are dedicated to helping engineers bring the project development up to speed and achieve outstanding results.



ISO 27001: 2013 certification of informational security management system.
ISO 14001: 2015 certification of environmental management system.
OHSAS 18001: 2008 certification of occupational health and safety management system.



ISO 9001: 2015 certification of quality management system (QMS).

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](#)

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