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# Pressure 18 Click







PID: MIKROE-5296

**Pressure 18 Click** is a compact add-on board that contains a board-mount pressure sensor. This board features the BMP384, a robust barometric pressure sensor delivering market-leading accuracy in a compact package from Bosch Sensortec. The BMP384 provides a relative accuracy of ±9Pa and typical absolute accuracy of ±50Pa with ultra-low noise, low power consumption, and a temperature coefficient offset of ±1Pa/K. It converts output data into a 24-bit digital value and sends the information via a configurable host interface that supports SPI and I2C serial communications. It measures pressure from 300hPa to 1250hPa over a wide operating temperature range. This Click board™ is suited for various pressure-based applications, altitude tracking, industrial, consumer, weather stations, and more.

Pressure 18 Click is supported by a mikroSDK compliant library, which includes functions that simplify software development. This Click board™ comes as a fully tested product, ready to be used on a system equipped with the mikroBUS™ socket.

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).

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# Specifications

| | |
|---|---|
| Type | Pressure |
| Applications | Can be used for various pressure-based applications, altitude tracking, industrial, consumer, weather stations, and more |
| On-board modules | BMP384 - absolute barometric pressure sensor from Bosch Sensortec |
| Key Features | Low power consumption and low noise, accuracy, wide measurement range, performance, interrupt feature, selectable interface, long-term stability, and more |
| Interface | I2C,SPI |
| ClickID | No |
| Compatibility | mikroBUS™ |
| Click board size | S (28.6 x 25.4 mm) |
| Input Voltage | 3.3V |

## Resources

mikroBUS™

mikroSDK

Click board™ Catalog

Click Boards™

## Downloads

BMP384 datasheet

Pressure 18 click 2D and 3D files

Pressure 18 click schematic

Pressure 18 click example on Libstock

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