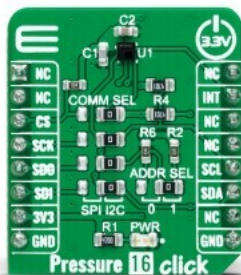


Pressure 16 Click



PID: MIKROE-4765

Pressure 16 Click is a compact add-on board that contains a board-mount pressure sensor. This board features the [WSEN-PADS \(2511020213301\)](#), a high-precision MEMS-based digital absolute pressure sensor from [Würth Elektronik](#). It has a fully-calibrated 24-bit pressure output to provide accurate atmospheric pressure data with a configurable host interface that supports both I2C and SPI serial communication and with an intelligent on-chip motion-triggered interrupt feature. This Click board™ is suitable for weather station equipment, altimeter and barometer applications, industrial, consumer applications, and many more.

Pressure 16 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).

Specifications

Type	Pressure
Applications	Can be used for weather station equipment, altimeter and barometer applications, industrial, consumer applications, and many more
On-board modules	WSEN-PADS - high-resolution, ultra-compact piezoresistive absolute pressure sensor from Würth Elektronik
Key Features	Low power consumption, high precision, MEMS based piezo-resistive sensing principle, fully calibrated 24 bit pressure output, selectable output data rate up to 200Hz, embedded temperature sensor, interrupt feature, 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

[Pressure 16 click 2D and 3D files](#)

[WSEN-PADS datasheet](#)

[Pressure 16 click schematic](#)

[Pressure 16 click example on Libstock](#)

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