

PRESS Click



PID: MIKROE-5862

PRESS Click is a compact add-on board that contains a board-mount pressure sensor. This board features the [ILPS28QSW](#), an absolute digital output barometer from [STMicroelectronics](#). It is a dual full-scale sensor with a measuring range of 260 up to 4060hPa. In addition, it comes with a Qvar detection ability, which is an electric charge variation detection and is available on two pins. This Click board™ makes the perfect solution for the development of industrial applications, gas and water metering, weather station equipment, altimeters and barometers for outdoor devices, and more.

PRESS 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 the development of industrial applications, gas and water metering, weather station equipment, altimeters and barometers for outdoor devices, and more
On-board modules	ILPS28QSW - absolute digital output barometer from STMicroelectronics
Key Features	A dual full-scale absolute pressure sensor in a water-resistant package, an integrated analog hub for processing analog data input, integrated Qvar for detecting electric charge variation, low current consumption, good accuracy, integrated temperature compensation, Qvar pads, Qvar connectors, and more
Interface	I2C
ClickID	Yes
Compatibility	mikroBUS
Click board size	L (57.15 x 25.4 mm)
Input Voltage	3.3V

Resources

[mikroBUS™](#)

[mikroSDK](#)

[Click board™ Catalog](#)

[Click Boards™](#)

Downloads

[PRESS click example on Libstock](#)

[ILPS28QSW datasheet](#)

[PRESS click schematic](#)

[PRESS click 2D and 3D files](#)

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