

Pressure 17 Click



PID: MIKROE-4944

Pressure 17 Click is a compact add-on board that contains a board-mount pressure sensor. This board features the BM1390GLV-Z, a high-precision piezoresistive pressure sensor from Rohm Semiconductor. The BM1390GLV-Z comes with a configurable host interface that supports I2C serial communication and measures pressure in a range from 300hPa up to 1300hPa with an accuracy of ± 1 hPa. It also has a built-in temperature compensation function that internally performs temperature compensation for MEMS inside the chip, so it's easy to get pressure information, built-in FIFO, and operation in a temperature range of -40°C to 85°C, which ensures stable operation under extreme conditions. This Click board™ is suitable for pressure measurements in automotive applications, industrial and consumer applications.

Pressure 17 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 pressure measurements in automotive applications, industrial and consumer applications
On-board modules	BM1390GLV-Z - ultra-compact piezoresistive pressure sensor from Rohm Semiconductor
Key Features	Low power consumption, high precision, MEMS based piezo-resistive sensing principle, built-in temperature compensation function, interrupt feature, and more
Interface	I2C
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

[BM1390GLV-Z datasheet](#)
[Pressure 17 click 2D and 3D files](#)
[Pressure 17 click schematic](#)
[Pressure 17 click example on Libstock](#)

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