

Pressure 14 Click



PID: MIKROE-4424

Pressure 14 Click is a compact add-on board that contains a board-mount pressure sensor. This board features the ABP2LANT060PG2A3XX, a piezoresistive silicon pressure sensor offering a digital output for reading pressure over the specified full-scale pressure span and a temperature range from Honeywell Sensing and Productivity Solutions. This I2C configurable sensor is calibrated and temperature compensated for sensor offset, sensitivity, temperature effects, and accuracy errors, including non-linearity, repeatability, and hysteresis, using an on-board ASIC. This Click board™ is suitable for pressure measurements in automotive applications, industrial and consumer applications.

Pressure 14 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	ABP2LANT060PG2A3XX - piezoresistive silicon pressure sensor offering a digital output for reading pressure over the specified full-scale pressure span from Honeywell Sensing and Productivity Solutions.
Key Features	Ultra-low power consumption, calibrated and temperature compensated/amplified for sensor offset, sensitivity, temperature effects, high accuracy, liquid media capable, 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

[Pressure 14 click 2D and 3D files](#)

[ABP2LANT060PG2A3XX datasheet](#)

[Pressure 14 click example on Libstock](#)

[Pressure 14 click schematic](#)

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