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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.

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