MIKROELEKTRONIKA D.O.O, Batajnički drum 23, 11000 Belgrade, Serbia
VAT: SR105917343 Registration No. 20490918
Phone: + 381 11 78 57 600 Fax: + 381 11 63 09 644 E-mail: office@mikroe.com
www.mikroe.com

Altitude 4 Click

PID: MIKROE-4127

Altitude 4 Click introduces an absolute pressure sensor with digital output for low-cost applications labeled as NPA-201. Altitude 4 click employs a MEMS pressure sensor with a signal-conditioning IC to provide accurate pressure measurements from 260 to 1260 mBar. Measurement values are provided at the digital output pins through an I2C interface. This sensor provides NPA-201 Digital Output Absolute Pressure Sensor provides low power consumption and compact size, making it ideal for battery-powered and mobile applications or any application where size is a constraint. In today's growing market for portable electronics and wearables with multiple parameters being measured, many applications require an accurate measurement of barometric pressure to determine factors such as altitude.

Altitude 4 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	Altitude,Pressure
Applications	Pressure sensor for mobile devices, indoor and outdoor navigation, enhancement of GPS navigation, altimeter and barometer for portable devices, weather station equipment, leisure and sports, Hard Disk Drive (HDD), weather forecast.
On-board modules	Altitude 4 Click uses the NPA-201 IC, an absolute pressure sensor with digital output for low-cost applications, from Amphenol Advanced Sensors.
Key Features	Barometric pressure sensing applications for sports activity identification, mobile indoor/outdoor navigation, altitude-hold and stabilization in drones, and other
Interface	I2C
Compatibility	mikroBUS
Click board size	S (28.6 x 25.4 mm)
Input Voltage	3.3V

Resources

[mikroBUS™](#)

[mikroSDK](#)

[Click board™ Catalog](#)

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Downloads

[Altitude 4 click 2D and 3D files](#)

[NPA-201 datasheet](#)

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