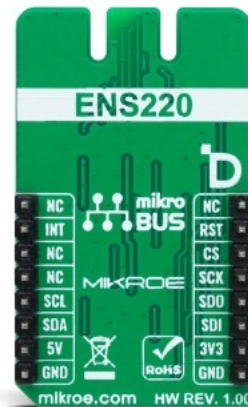


Barometer 9 Click



PID: MIKROE-6035

Barometer 9 Click is a compact add-on board ideal for precision activity tracking and indoor navigation/localization. This board features the ENS220, a barometric pressure and temperature sensor from ScioSense. This sensor is characterized by its ultra-low power consumption and high accuracy, offering capabilities through both I2C and SPI communication interfaces. Including a pressure range of 300 to 1200hPa, absolute accuracy within ± 0.5 hPa, and temperature accuracy of ± 0.1 K, the Barometer 9 Click is optimized for applications requiring precise altitude and temperature measurements. Ideal for use cases such as activity tracking, indoor navigation, and environmental monitoring, this Click board™ provides developers with a powerful tool for creating sophisticated, location-aware devices in a compact and energy-efficient design.

Barometer 9 Click is fully compatible with the mikroBUS™ socket and can be used on any host system supporting the [mikroBUS™](#) standard. It comes with the [mikroSDK](#) open-source libraries, offering unparalleled flexibility for evaluation and customization. What sets this [Click board™](#) apart is the groundbreaking [ClickID](#) feature, enabling your host system to seamlessly and automatically detect and identify this add-on board.

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	Ideal for activity tracking, indoor navigation, and environmental monitoring
On-board modules	ENS220 - barometric pressure and temperature sensor from ScioSense
Key Features	Cover a wide range of atmospheric conditions, ensure premium accuracy for reliable measurements, precise temperature sensing, ultra-low noise for high-fidelity data, selectable communication interface, interrupt functionality, and more
Interface	I2C,SPI
ClickID	Yes
Compatibility	mikroBUS™
Click board size	M (42.9 x 25.4 mm)
Input Voltage	3.3V or 5V

Resources

[mikroBUS™](#)

[mikroSDK](#)

[Click board™ Catalog](#)

[Click Boards™](#)

[ClickID](#)

Downloads

[TLV700 datasheet](#)

[TXS0108E datasheet](#)

[Barometer 9 click example on Libstock](#)

[Barometer 9 click schematic](#)

[Barometer 9 click 2D and 3D files](#)

[SN74LVC1G125 datasheet](#)

[ENS220 datasheet](#)

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