

pH 2 Click



PID: MIKROE-5596

pH 2 Click is a compact add-on board used to determine the alkalinity or acidity of a sample. This board features the MCP607, a low-bias current Op Amp from Microchip, performing level shifting and high-input impedance buffering in a single-supply pH-electrode circuit. This board measures hydrogen ion activity and produces an electrical potential/voltage, which can be further processed in analog or digital form. In addition to LED signaling, which is under the complete control of the user, there is also the possibility of temperature compensation by connecting an additional thermometer to the board. This Click board™ is suitable for measuring pH in various applications, including water treatment, chemical processing, medical instrumentation, and environmental test systems.

pH 2 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	Environmental
Applications	Can be used for measuring pH in various applications, including water treatment, chemical processing, medical instrumentation, and environmental test systems
On-board modules	MCP607 - low-bias current dual operational amplifier from Microchip
Key Features	High stability and accuracy, flexible calibration, works with any off-the-shelf pH probe, temperature compensation with additional thermometer, selectable analog or digital output, user-configurable LED indicators, and more
Interface	Analog,I2C
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

[pH 2 click example on Libstock](#)

[MCP607 datasheet](#)

[DS18B20 datasheet](#)

[MCP3221 datasheet](#)

[pH 2 click 2D and 3D files](#)

[pH 2 click schematic](#)

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