

EZO Carrier Click - pH



PID: MIKROE-6009

EZO Carrier Click - pH is a compact add-on board that allows you to measure the potential of hydrogen (the power of hydrogen) in your application. This board features the [EZO™ pH](#), a pH measurement interface circuit board from [Atlas Scientific](#). The EZO™ pH is a small additional board that comes with the carrier board and allows you to read the pH values of the solvent in a range of 0.001 up to 14.000, in a resolution of 0.001 and accuracy +/-0.002. The EZO™ pH allows readings in a maximum of one reading per second. This Click board™ makes the perfect solution for the development of food-grade analyzers, chemical products analyzers, water quality measuring devices, and more.

EZO Carrier Click - pH 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 | Environmental,Measurements |
| Applications | Can be used for the development of food-grade analyzers, chemical products analyzers, water quality measuring devices, and more |
| On-board modules | EZO™ pH - pH measurement interface circuit board from Atlas Scientific |
| Key Features | High stability and accuracy, easy-to-use data protocol, simple command structure, flexible calibration protocol, works with any off-the-shelf pH probe, noise immunity, completely isolated data and power supply lines, and more |
| Interface | I2C,UART |
| ClickID | Yes |
| Compatibility | mikroBUS™ |
| Click board size | L (57.15 x 25.4 mm) |
| Input Voltage | 3.3V or 5V |

Resources

[mikroBUS™](#)

[mikroSDK](#)

[Click board™ Catalog](#)

[Click boards™](#)

Downloads

[EZO Carrier Click - pH example on Libstock](#)

[EZO Carrier Click - pH 2D and 3D files](#)

[pH EZO datasheet](#)

[SI8400 datasheet](#)

[EZO Carrier Click - pH schematic](#)

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