

EZO Carrier Click - Oxygen



PID: MIKROE-6010

EZO Carrier Click - Oxygen is a compact add-on board suitable for determining the dissolved oxygen of a liquid in your application. This board features the [EZO-DO™](#), an ISO 5814 compliant embedded dissolved oxygen circuit board from [Atlas Scientific](#). The EZO-DO™ is a small yellow additional board that comes with the carrier board and allows you to read the oxygen values in a range of 0.01 up to 100 mg/L with an accuracy of +/-0.05mg/L. The EZO-DO™ allows readings in a maximum of one reading per second. It is compatible with various galvanic measurement probes, such as the [Conductivity Probe K 1.0](#) from Atlas Scientific.

EZO Carrier 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	Environmental, Gas
Applications	Can be used for electrochemical sensing and also capable of reading micro-voltages that are bleeding into the water from unnatural sources such as pumps, solenoid valves, or other probes/sensors
On-board modules	EZO-DO™ - embedded dissolved oxygen circuit board from Atlas Scientific
Key Features	ISO 5814 compliant, high stability and accuracy, easy-to-use data protocol, simple command structure, flexible calibration protocol, works with any off-the-shelf galvanic 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-DO™ Datasheet](#)

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

[SI8400 datasheet](#)

[EZO Carrier Click - Oxygen schematic](#)

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

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).