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## **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.







health and safety management system.



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## **Specifications**

Туре	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**

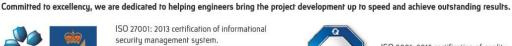
EZO-DO™ Datasheet

EZO Carrier Click - Oxygen 2D and 3D files

SI8400 datasheet

EZO Carrier Click - Oxygen schematic

EZO Carrier Click - Oxygen example on Libstock



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