

EZO Carrier Click - ORP



PID: MIKROE-6013

EZO Carrier Click - ORP is a compact add-on board suitable for determining a liquid's oxidation/reduction potential in your application. This board features the EZO-ORP™, an ISO 11271 compliant embedded ORP circuit board from Atlas Scientific. The EZO-ORP™ is a small blue additional board that comes with the carrier board and allows you to measure electron activity in a liquid in a range of -1019.9mV up to +1019.9mV with an accuracy of +/-1mV. The EZO-ORP™ allows readings in a maximum of one reading per second. This Click board™ is ideal for providing information on the liquid quality and degree of pollution, if present, from water sterilization to chemical production. It is compatible with various measurement probes, such as the [Consumer Grade ORP Probe](#) from Atlas Scientific.

EZO Carrier Click - ORP 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 providing information on the liquid quality and degree of pollution, if present, from water sterilization to chemical production
On-board modules	EZO-ORP™ - embedded ORP circuit board from Atlas Scientific
Key Features	ISO 11271 compliant, high stability and accuracy, easy-to-use data protocol, simple command structure, works with any off-the-shelf 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 - ORP example on Libstock](#)

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

[SI8400 datasheet](#)

[EZO-ORP datasheet](#)

[EZO Carrier Click - ORP schematic](#)

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