

## Pressure 22 Click



PID: MIKROE-5774

**Pressure 22 Click** is a compact add-on board that contains a board-mount pressure sensor. This board features the [MS5839-02BA](#), an ultra-compact chlorine-resistant digital pressure and temperature sensor from [TE Connectivity](#). The sensor is a small digital altimeter operating from 300 up to 1200mbar, optimized for applications where chlorine and saline are present. The sensor is filled with gel, which makes it robust, and enables it to work in harsh environments. This Click board™ makes the perfect solution for the development of shallow diving computers, swim watches, fitness trackers, underwater equipment, diving equipment and computers, and more.

Pressure 22 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	Pressure
Applications	Can be used for the development of shallow diving computers, swim watches, fitness trackers, underwater equipment, diving equipment and computers, and more
On-board modules	MS5839-02BA - chlorine-resistant digital pressure and temperature sensor from TE Connectivity
Key Features	Low power consumption, chlorine, and saline resistant, water-resistant sealing, operating in a large pressure range, up to 10bar for overpressure, the robust gel-filled design allows operation in harsh environments, and more
Interface	I2C
ClickID	Yes
Compatibility	mikroBUS
Click board size	S (28.6 x 25.4 mm)
Input Voltage	3.3V

## Resources

[mikroBUS™](#)

[mikroSDK](#)

[Click board™ Catalog](#)

[Click Boards™](#)

## Downloads

[Pressure 22 click example on Libstock](#)

[MS5839-02BA36 datasheet](#)

[Pressure 22 click 2D and 3D files](#)

[Pressure 22 click schematic](#)

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