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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 $\underline{\mathsf{mikroSDK}}$ compliant library, which includes functions that simplify software development. This $\underline{\mathsf{Click}}$ board $^{\mathsf{TM}}$ comes as a fully tested product, ready to be used on a system equipped with the $\underline{\mathsf{mikroBUS}}^{\mathsf{TM}}$ 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.







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Specifications

Туре	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™

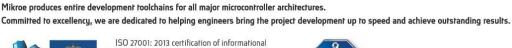
Downloads

Pressure 22 click example on Libstock

MS5839-02BA36 datasheet

Pressure 22 click 2D and 3D files

Pressure 22 click schematic



health and safety management system.



