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Pressure 23 Click

PID: MIKROE-5768

Pressure 23 Click is a compact add-on board that contains a board-mount pressure sensor. This board features the MS5849-30BA, an ultra-compact chlorine-resistant absolute pressure sensor from TE Connectivity. The sensor is a small digital altimeter operating from 300 up to 30000mbar, optimized for applications where chlorine is present. The sensor's stainless-steel housing 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 safety devices in seawater, medical portable devices, disposable – drug treatment, mildly corrosive gases, liquid measurements, and more.

Pressure 23 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.

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Specifications

Type	Pressure
Applications	Can be used for the development of safety devices in seawater, medical portable devices, disposable – drug treatment, mildly corrosive gases, liquid measurements, and more
On-board modules	MS5849-30BA - ultra-compact chlorine-resistant absolute pressure sensor from TE Connectivity
Key Features	High-resolution pressure sensor, fast conversion, 24-bit ADC, built-in automatic conversion, signaling state by interrupt, programmable filter, built-in FIFO, wide operating pressure range, selectable interface, and more
Interface	I2C,SPI
ClickID	Yes
Compatibility	mikroBUS
Click board size	M (42.9 x 25.4 mm)
Input Voltage	3.3V

Resources

[mikroBUS™](#)

[mikroSDK](#)

[Click board™ Catalog](#)

[Click Boards™](#)

Downloads

[Pressure 23 click example on Libstock](#)

[MS5849-30BA datasheet](#)

[Pressure 23 click 2D and 3D files](#)

[Pressure 23 click schematic](#)