

MIKROELEKTRONIKA D.O.O, Batajnički drum 23, 11000 Belgrade, Serbia VAT: SR105917343 Registration No. 20490918

Phone: + 381 11 78 57 600 Fax: + 381 11 63 09 644 E-mail: office@mikroe.com

## 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  $\underline{\mathsf{mikroSDK}}$  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.





health and safety management system.



MIKROELEKTRONIKA D.O.O, Batajnički drum 23, 11000 Belgrade, Serbia VAT: SR105917343 Registration No. 20490918 Phone: + 381 11 78 57 600 Fax: + 381 11 63 09 644 E-mail: office@mikroe.com www.mikroe.com

## **Specifications**

Туре	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





