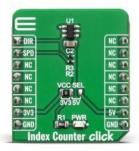


MIKROELEKTRONIKA D.O.O, Batajnički drum 23, 11000 Belgrade, Serbia VAT: SR105917343 Registration No. 20490918
Phone: + 381 11 78 57 600 Fax: + 381 11 63 09 644 E-mail: office@mikroe.com

## **Index Counter Click**





PID: MIKROE-4005

**Index Counter Click** is a simple prototyping high precision Hall-Effect switch solution with direction detection. This board is hosting <u>TLE4966K</u> an integrated circuit dual Hall-effect sensor from <u>Infineon</u>. The sensor is designed specifically for highly accurate applications which use a rotating pole wheel since offers high sensitivity and high stability of the magnetic switching points. Since this sensor is based on two hall probes that provide information about direction and speed of the moving wheel, this makes this product excellent choice for applications such as index counting, rotational speed and direction applications, motor driven position systems.

Index Counter Click is supported by a mikroSDK compliant library, which includes functions that simplify software development. This Click board  $^{\text{m}}$  comes as a fully tested product, ready to be used on a system equipped with the mikroBUS  $^{\text{m}}$  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	Magnetic
Applications	Index Counter Click is excellent choice for applications such as index counting, rotational speed and direction applications, motor driven position systems.
On-board modules	TLE4966K, an integrated circuit double Hall- effect sensor
Key Features	High sensitivity and high stability of the magnetic switching points, reverse battery protection (-18 V), superior temperature stability
Interface	GPIO
ClickID	No
Compatibility	mikroBUS
Click board size	S (28.6 x 25.4 mm)
Input Voltage	3.3V or 5V

## **Resources**

<u>mikroBUS™</u>

**mikroSDK** 

Click board™ Catalog

Click Boards™

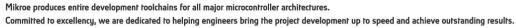
## **Downloads**

**Index Counter click schematic** 

Index Counter click example on Libstock

TLE4966K-DS datasheet

Index Counter click 2D and 3D files







health and safety management system.