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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 $^{\text{\tiny M}}$ comes as a fully tested product, ready to be used on a system equipped with the mikroBUS $^{\text{\tiny M}}$ 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.



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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™

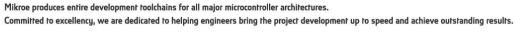
Downloads

Index Counter click schematic

Index Counter click example on Libstock

TLE4966K-DS datasheet

Index Counter click 2D and 3D files



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