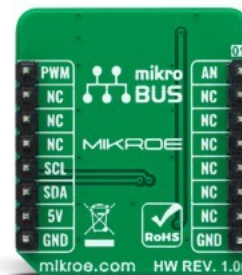


## Magneto 9 Click



PID: MIKROE-4778

**Magneto 9 Click** is a compact add-on board that contains a low-power, accurate, and reliable magnetic sensing device. This board features the A1359, dual tracking output linear hall-effect sensor from [Allegro MicroSystems](#). This ratiometric Hall-effect sensor provides an analog voltage and a PWM signal with a duty cycle proportional to the applied magnetic field. It comes with factory-programmed offset, sensitivity, and polarity, where the PWM output tracks the analog output to within a +/-3% mismatch. This Click board™ is the most suitable for use in automotive and industrial applications such as displacement and angular position, which requires high accuracy in conjunction with redundant outputs.

Magneto 9 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.

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.



ISO 27001: 2013 certification of informational security management system.  
 ISO 14001: 2015 certification of environmental management system.  
 OHSAS 18001: 2008 certification of occupational health and safety management system.



ISO 9001: 2015 certification of quality management system (QMS).

## Specifications

Type	Magnetic
Applications	Can be used in automotive and industrial applications such as displacement and angular position, which requires high accuracy in conjunction with redundant outputs
On-board modules	A1359 - dual tracking output linear hall-effect sensor from Allegro MicroSystems
Key Features	Low power consumption, factory-programmed offset, sensitivity, and polarity, dual-output (analog and PWM), accuracy, forward polarity, possibility of signal processing in analog and digital form, and more
Interface	Analog,I2C,PWM
Compatibility	mikroBUS
Click board size	S (28.6 x 25.4 mm)
Input Voltage	5V

## Resources

[mikroBUS™](#)

[mikroSDK](#)

[Click board™ Catalog](#)

[Click boards™](#)

## Downloads

[Magneto 9 click example on Libstock](#)

[Magneto 9 click 2D and 3D files](#)

[MCP3221 datasheet](#)

[A1359 datasheet](#)

[Magneto 9 click schematic](#)

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