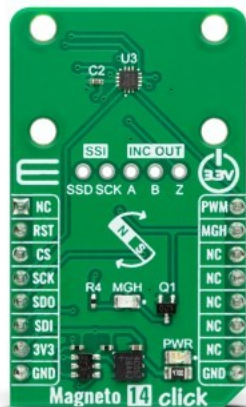


Magneto 14 Click



PID: MIKROE-5751

Magneto 14 Click is a compact add-on board with an accurate and reliable magnetic device. This board features the [MA735](#), a contactless angle sensor with ABZ, and PWM output from [Monolithic Power Systems](#). The MA735 sensor has a 9-bit to 13-bit resolution of the absolute angle encoder. With its fast data acquisition and processing, it provides accurate angle measurements at speeds from 0rpm to 60.000rpm. The sensor can be used in both end-to-shaft and off-axis (side-shaft mounting) configurations. This Click board™ makes the perfect solution for the development of applications for automotive angle sensing, robotics, high-resolution angle encoders, and general-purpose angle measurements.

Magneto 14 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 for the development of applications for automotive angle sensing, robotics, high-resolution angle encoders, and general-purpose angle measurements |
| On-board modules | MA735 - contactless angle sensor with ABZ, and PWM output from Monolithic Power Systems |
| Key Features | Low power consumption, highest reliability and durability, high-resolution output, operates with wide magnetic range, programmable thresholds, non-volatile memory, SSI and ABZ encoder functionalities, PWM output, and more |
| Interface | PWM, SPI |
| 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

[Magnet0 14 click example on Libstock](#)
[Magnet0 14 click 2D and 3D files](#)
[MA735GGU datasheet](#)
[Magnet0 14 click schematic](#)

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