

Magneto 13 Click



PID: MIKROE-5643

Magneto 13 Click is a compact add-on board with an accurate and reliable magnetic device. This board features the MA736, a contactless digital angle sensor from [Monolithic Power Systems](#). It is a MagAlpha sensor that detects the absolute angular position of a permanent magnet, typically a diametrically magnetized cylinder or a rotating shaft. The MA736 sensor supports a wide range of magnetic field strengths, end-of-shaft, and side-shaft (off-axis mounting) spatial configurations. This Click board™ makes the perfect solution for general-purpose angle measurement, high-resolution angle encoders, automotive positioning sensing, robotics, and more.

Magneto 13 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 general-purpose angle measurement, high-resolution angle encoders, automotive positioning sensing, robotics, and more.
On-board modules	MA736 - contactless digital angle sensor from Monolithic Power Systems
Key Features	Low power consumption, highest reliability and durability, high-resolution output, operates with wide magnetic range, programmable threshold, non-volatile memory, and more
Interface	SPI
ClickID	Yes
Compatibility	mikroBUS
Click board size	S (28.6 x 25.4 mm)
Input Voltage	3.3V

Resources

[mikroBUS™](#)

[mikroSDK](#)

[Click board™ Catalog](#)

[Click boards™](#)

[ClickID](#)

Downloads

[Magneto 13 click example on Libstock](#)

[MA736GGU datasheet](#)

[Magneto 13 click 2D and 3D files](#)

[Magneto 13 click schematic](#)

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