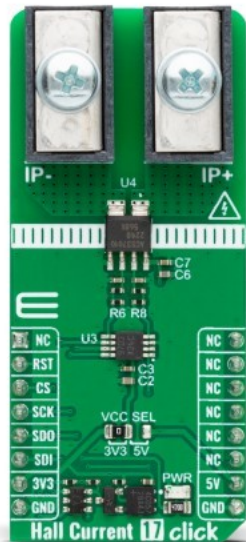


Hall Current 17 Click



PID: MIKROE-5845

Hall Current 17 Click is a compact add-on board that contains a precise solution for AC/DC current sensing. This board features the ACS37010, a high-accuracy current sensor from [Allegro MicroSystems](#). The ACS37010 has a high operating bandwidth of 450kHz and a fast response time of 1.3µs response time. It features a highly isolated compact surface-mount package, low internal primary conductor resistance, low sensitivity error, low offset voltage over temperature, and more. This Click board™ makes the perfect solution for the development of applications requiring a combination of high-current monitoring and high isolation voltage between the primary high-current and low-voltage sides.

Hall Current 17 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	Current sensor,Measurements
Applications	Can be used for the development of applications requiring a combination of high-current monitoring and high isolation voltage between the primary high-current and low-voltage sides
On-board modules	ACS37010 - high-accuracy current sensor from Allegro MicroSystems
Key Features	High operating bandwidth and fast response time, high-accuracy current measurements, low internal primary conductor resistance, highly isolated compact surface-mount package, wide sensing range, and more
Interface	SPI
ClickID	Yes
Compatibility	mikroBUS
Click board size	L (57.15 x 25.4 mm)
Input Voltage	3.3V or 5V

Resources

[mikroBUS™](#)

[mikroSDK](#)

[Click board™ Catalog](#)

[Click Boards™](#)

Downloads

[Hall Current 17 click example on Libstock](#)

[Hall Current 17 click 2D and 3D files](#)

[ADC122S101 datasheet](#)

[ACS37010 datasheet](#)

[Hall Current 17 click schematic](#)

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