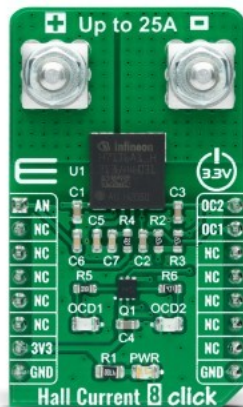


Hall Current 8 Click - 25A



PID: MIKROE-4632

Hall Current 8 Click is a compact add-on board that contains a precise solution for AC/DC current sensing. This board features the TLI4971-A025T5, a high-precision coreless current sensor for industrial/consumer applications from Infineon Technologies. The TLI4971-A025T5 has an analog interface and two fast overcurrent detection outputs, which support the protection of the power circuitry. Galvanic isolation is also provided according to the magnetic sensing principle. Infineon's monolithic Hall technology enables accurate and highly linear measurement of currents with a full scale up to 25A. This Click board™ is suitable for AC/DC current measurement applications: electrical drives, general-purpose inverters, chargers, current monitoring, overload, over-current detection, and many more.

Hall Current 8 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 AC/DC current measurement applications: electrical drives, general-purpose inverters, chargers, current monitoring, overload, over-current detection, and many more.
On-board modules	TLI4971-A025T5 - high-precision miniature coreless magnetic current sensor for AC and DC measurements up to 25A with an analog interface and two fast overcurrent detection outputs from Infineon Technologies
Key Features	High accurate, scalable, DC & AC current sensing, analog interface and two independent fast Over-Current Detection (OCD) outputs, very low sensitivity error over temperature, and more.
Interface	Analog
ClickID	No
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

[Hall Current 8 Click - 25A schematic](#)
[TLI4971 datasheet](#)
[Hall Current 8 Click - 25A 2D and 3D files](#)
[Hall Current 8 Click - 25A example on Libstock](#)

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).