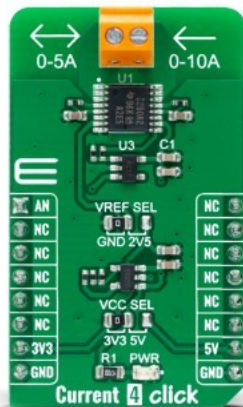


## Current 4 Click



PID: MIKROE-4755

**Current 4 Click** is a compact add-on board that provides a precise and accurate current sensing solution. This board features the INA250, a bidirectional, zero-drift current-shunt monitor from Texas Instruments. This voltage-output, current-sensing amplifier measures the voltage developed across the internal current-sensing resistor when current passes through it. Also, by selecting the reference voltage, the INA250 allows users to measure both unidirectional and bidirectional currents through the current-sensing resistor. This Click board™ delivers higher performance to applications such as test and measurement, load monitoring and power supplies, automotive, and many more.

Current 4 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 applications such as test and measurement, load monitoring and power supplies, automotive, and many more
On-board modules	INA250 - current-sense amplifier with a high-precision, low-drift shunt resistor which can deliver highly accurate measurements over a wide temperature range from Texas Instruments
Key Features	Low power consumption, precise integrated shunt resistor, high accuracy, 500mV/A gain, zero-drift, uni/bidirectional current measurements, and more
Interface	Analog
ClickID	No
Compatibility	mikroBUS
Click board size	M (42.9 x 25.4 mm)
Input Voltage	3.3V or 5V

## Resources

[mikroBUS™](#)
[mikroSDK](#)
[Click board™ Catalog](#)
[Click boards™](#)

## Downloads

[AP7331 datasheet](#)
[LMV321 datasheet](#)
[INA250 datasheet](#)
[Current 4 click 2D and 3D files](#)
[Current 4 click schematic](#)
[Current 4 click example on Libstock](#)

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