

ISO ADC Click



PID: MIKROE-4088

The ISO ADC click is add-on board current-shunt measurement device with isolated delta-sigma modulator. This Click board™ is based on AMC1204BDWR -provide a single-chip solution for measuring the small signal of a shunt resistor across an isolated barrier from Texas Instruments. ISO ADC click contains shunt resistor, these types of resistors are typically used to sense currents in motor control inverters, green energy generation systems, and other industrial applications.

ISO ADC 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	ADC
Applications	ISO ADC click can be used to sense currents in motor control inverters, green energy generation systems, and other industrial applications.
On-board modules	AMC1204BDWR, Isolated Delta-Sigma Modulator for Current-Shunt Measurement, from Texas Instruments.
Key Features	± 250 -mV input voltage range optimized for shunt resistors, High electromagnetic field immunity, External clock input for easier synchronization
Interface	SPI
Compatibility	mikroBUS
Click board size	M (42.9 x 25.4 mm)
Input Voltage	3.3V or 5V

Resources

[mikroBUS™ Standard specification](#)

[LibStock: mikroSDK](#)

[Click board catalog](#)

[Click boards™ Standard Page](#)

Downloads

[ISO ADC click 2D and 3D files](#)

[AMC1204BDWR datasheet](#)

[ISO ADC click schematic](#)

[ISO ADC click example on Libstock](#)

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