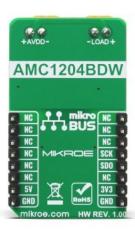


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ISO ADC Click





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 $^{\text{\tiny M}}$ comes as a fully tested product, ready to be used on a system equipped with the mikroBUS $^{\text{\tiny M}}$ socket.

Mikroe produces entire development toolchains for all major microcontroller architectures.

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health and safety management system.



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Specifications

Туре	ADC,Isolators
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™

mikroSDK

Click board™ Catalog

Click boards™

Downloads

ISO ADC click 2D and 3D files

AMC1204BDWR datasheet

ISO ADC click schematic

ISO ADC click example on Libstock

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