

VCP Monitor Click



PID: MIKROE-4039

The **VCP Monitor Click** is add-on board power monitor system. This Click board™ is based on [INA260AIPWR](#) - precision digital current and power monitor with low-drift, integrated precision shunt resistor, from [Texas Instruments](#). Therefore, using VCP Monitor Click, current, voltage and power can be monitored. The integrated current-sensing resistor ensures measurement stability over temperature as well as simplifying printed-circuit board layout difficulties common in high precision current sensing measurements.

VCP Monitor 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	VCP Monitor click click is a perfect solution for the development of the Power Management system, Battery Chargers and Power Supplies.
On-board modules	NA260AIPWR, a digital-output, current, power, and voltage monitor with an I2C and SMBus™ -compatible interface from Texas Instruments
Key Features	Current Sense Resistance: 2 mΩ, Tolerance Equivalent to 0.1%, 15-A Continuous From -40°C to +85°C, 16 Programmable Addresses.
Interface	I2C
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

[VCP Monitor click example on Libstock](#)

[VCP Monitor click 2D and 3D files](#)

[INA260 datasheet](#)

[VCP Monitor click schematic](#)

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