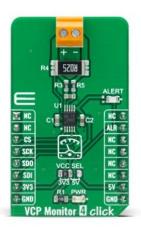


MIKROELEKTRONIKA D.O.O, Batajnički drum 23, 11000 Belgrade, Serbia VAT: SR105917343 Registration No. 20490918 Phone: + 381 11 78 57 600 Fax: + 381 11 63 09 644 E-mail: office@mikroe.com www.mikroe.com

## VCP Monitor 4 Click





PID: MIKROE-4763

VCP Monitor 4 Click is a compact add-on board that represents a high-precision power monitoring system. This board features the INA239, ultra-precise digital power monitor with a 16-bit delta-sigma ADC specifically designed for current-sensing applications from Texas Instruments. The INA239 reports current, bus voltage, temperature, and power while performing the needed calculations in the background. The integrated temperature sensor is ±1°C accurate for die temperature measurement and is also helpful in monitoring the ambient system temperature. This Click board™ is suitable for applications such as industrial measurements, DC-DC converters, power inverters, telecom equipment, servers, and many more.

VCP Monitor 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.

security management system.

management system.









MIKROELEKTRONIKA D.O.O, Batajnički drum 23, 11000 Belgrade, Serbia VAT: SR105917343 Registration No. 20490918 Phone: + 381 11 78 57 600 Fax: + 381 11 63 09 644 E-mail: office@mikroe.com www.mikroe.com

## **Specifications**

Туре	Measurements
Applications	Can be used for applications such as industrial measurements, DC-DC converters, power inverters, telecom equipment, servers, and many more
On-board modules	INA239 - ultra-precise digital power monitor with a 16-bit delta-sigma ADC specifically designed for current-sensing applications from Texas Instruments
Key Features	Low power consumption, high precission, high resolution ADC, accuracy, fast alert response, programmable conversion time and averaging, and more
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**

VCP Monitor 4 click schematic

VCP Monitor 4 click 2D and 3D files

**INA239 datasheet** 

VCP Monitor 4 click 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.





