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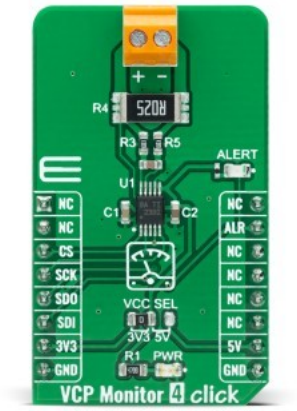
# VCP Monitor 4 Click





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.

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# Specifications

| Type | 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 |
| 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 4 click schematic

VCP Monitor 4 click 2D and 3D files

INA239 datasheet

VCP Monitor 4 click example on Libstock