

## POT 4 Click



PID: MIKROE-5454

**POT 4 Click** is a compact add-on board with accurate selectable reference voltage output. This board features the [PRS11R-425F-S103B1](#), a high-quality 11mm rotary 10k potentiometer from [Bourns](#). The PRS11R-425F-S103B1 features a small form factor, offers an push-on momentary switch, a flatted shaft style, and a wide operating temperature range. It comes with a high-resolution 12-bit ADC, detecting even the slightest move while digitizing its position, alongside a rail-to-rail buffering operational amplifier, which provides constant input and output impedance. Besides, the user can process the output signal in analog or digital form. This Click board™ can be used in audio and lighting applications, laboratory equipment, industrial automation controls, and other applications where a reliable potentiometer is required.

POT 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.



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	Potentiometer
Applications	Can be used in audio and lighting applications, laboratory equipment, industrial automation controls, and other applications where a reliable potentiometer is required
On-board modules	PRS11R-425F-S103B1 - high-quality rotary 10k potentiometer from Bourns
Key Features	Resistance up to 10k, flatted metal shaft, low profile, push momentary switch, wide temperature and voltage range, wide mechanical angle, long rotational life, selectable analog or digital output, and more
Interface	Analog,I2C
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

[PRS11R-425F-S103B1 datasheet](#)
[OPA344 datasheet](#)
[MCP3221 datasheet](#)
[POT 4 click 2D and 3D files](#)
[POT 4 click schematic](#)
[POT 4 click example on Libstock](#)

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