

Comparator click



PID: MIKROE-1915

RS Product Code: [136-0746](#)

Comparator click, carrying the LM2903 IC, has two independent precision voltage comparators. Two pairs of screw terminals allow you to connect separate inputs (additional two screw terminals are for GND connections). You can use it either with a single (range of 2.0 VDC to 36 VDC) or dual power supply (from ± 1.0 VDC to ± 18 VDC). Two potentiometers are placed between the terminals and the IC. Each input has its own Interrupt pin on the mikroBUS socket (one on the INT pin, the other in place of the mikroBUS AN pin), here marked 01 and 02.

Specification

Product Type	Comparator
Applications	A/D converters, Wide range VCO, MOS clock generator
On-board modules	LM2903 IC
Key Features	Two pairs of input screw terminals and two potentiometers, Range: 2-36 VDC (single power supply); ± 1.0 VDC- ± 18 VDC (dual power supply)
Key Benefits	High precision: 2 mV offset voltage
Interface	GPIO
Power Supply	3.3V or 5V
Compatibility	mikroBUS
Click board size	L (57.15 x 25.4 mm)
Weight	35g

Downloads

[Comparator click - Example](#)

[Comparator click - User Manual](#)