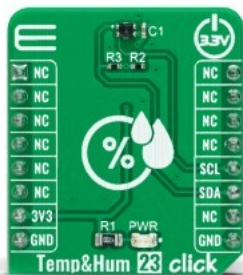


Temp&Hum 23 Click



PID: MIKROE-5301

Temp&Hum 23 Click is a compact add-on board representing temperature and humidity sensing solution. This board features the [SHT45](#), a 4th generation ultra-low-power relative humidity and temperature sensor from [Sensirion](#). The SHT45 is characterized by its high accuracy ($\pm 1\%$ RH and $\pm 0.1^\circ\text{C}$ over a wide operating temperature range) and high resolution providing 16-bit data to the host controller with a configurable I2C interface. Also, it is designed for reliable operation in harsh conditions such as condensing environments. This Click board™ is perfectly suitable for high-volume applications.

Temp&Hum 23 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	Temperature & humidity
Applications	Can be used for high-volume applications
On-board modules	SHT45 - relative humidity and temperature sensor from Sensirion
Key Features	Low power consumption, high accuracy, covers extended operating humidity and temperature ranges, internal heater, fully functional in condensing environment, fast data transfer, and more
Interface	I2C
Compatibility	mikroBUS
Click board size	S (28.6 x 25.4 mm)
Input Voltage	3.3V

Resources

[mikroBUS™](#)
[mikroSDK](#)
[Click board™ Catalog](#)
[Click Boards™](#)

Downloads

[Temp&Hum 23 click example on Libstock](#)
[SHT45-AD1B-R2 datasheet](#)
[Temp&Hum 23 click 2D and 3D files](#)
[Temp&Hum 23 click schematic](#)

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