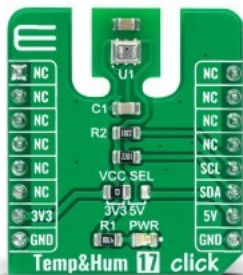


Temp&Hum 17 Click



PID: MIKROE-4702

Temp&Hum 17 Click is a compact add-on board that represents temperature and humidity sensing solutions. This board features the HS3001, a highly accurate, fully calibrated relative humidity and temperature sensor from Renesas. It features proprietary sensor-level protection, ensuring high reliability and long-term stability. Integrated calibration and temperature-compensation logic provides fully corrected RH and temperature values via standard I2C output. No user calibration of the output data is required. The high accuracy, fast measurement response time, and long-term stability make this Click board™ ideal for various temperature and humidity-related applications and a vast number of applications ranging from portable devices to products designed for harsh environments.

Temp&Hum 17 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 various temperature and humidity-related applications and a vast number of applications ranging from portable devices to products designed for harsh environments
On-board modules	HS3001 - highly accurate, fully calibrated relative humidity and temperature sensor from Renesas
Key Features	Low power consumption, high performance RH and °C sensing, digital output interface, independent programmable resolution settings, fully calibrated, and more
Interface	I2C
ClickID	No
Compatibility	mikroBUS
Click board size	S (28.6 x 25.4 mm)
Input Voltage	3.3V or 5V

Resources

[mikroBUS™](#)

[mikroSDK](#)

[Click board™ Catalog](#)

[Click boards™](#)

Downloads

[Temp&Hum 17 click 2D and 3D files](#)

[HS3001 datasheet](#)

[Temp&Hum 17 click schematic](#)

[Temp&Hum 17 click example on Libstock](#)

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