

Temp&Hum 14 Click



PID: MIKROE-4306

Temp & Hum 14 Click is a compact add-on board that contains one of the smallest and most accurate humidity and temperature sensors on the market. This board features the [HTU31D](#), a highly accurate digital relative humidity sensor with temperature output from [TE Connectivity](#). With power consumption down to $3.78\mu\text{W}$ and accuracy of $\pm 2\% \text{RH}$ and $\pm 0.2^\circ\text{C}$, this Click board™ provides fast response time, precision measurement, low hysteresis, and sustained performance even when exposed to extreme temperature up to 125°C and humidity environments. This Click board™ is suitable for relative humidity and temperature measuring applications, including weather stations, reliable monitoring systems, and more.

Temp & Hum 14 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 relative humidity and temperature measuring applications, including weather stations, reliable monitoring systems, and more.
On-board modules	Temp & Hum 14 Click is based on the HTU31D, a digital relative humidity sensor with temperature output from TE Connectivity.
Key Features	High reliability and environmental robustness, full interchangeability with no calibration required in standard conditions, quick recovery after long periods in saturation phase, low power consumption, fast response, and more.
Interface	I2C
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 14 click 2D and 3D files](#)

[Temp&Hum 14 click schematic](#)

[Temp&Hum 14 click example on Libstock](#)

[HTU31D datasheet](#)

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