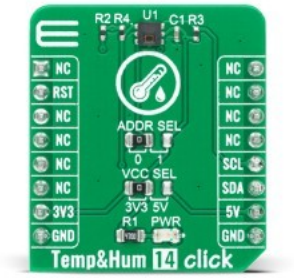
MIKROELEKTRONIKA D.O.O, Batajnički drum 23, 11000 Belgrade, Serbia
VAT: SR105917343 Registration No. 20490918
Phone: + 381 11 78 57 600 Fax: + 381 11 63 09 644 E-mail: office@mikroe.com
www.mikroe.com

# 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 3.78µW and accuracy of ±2%RH and ±0.2°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.

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# 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 |
| 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 14 click 2D and 3D files

Temp&Hum 14 click schematic

Temp&Hum 14 click example on Libstock

HTU31D datasheet