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
Compatibility	mikroBUS
Click board size	S (28.6 x 25.4 mm)
Input Voltage	3.3V or 5V

Resources

mikroBUS™

mikroSDK

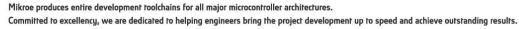Click board™ Catalog

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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