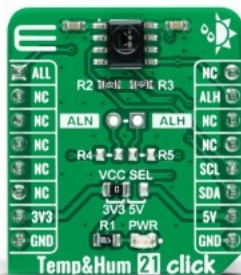


Temp&Hum 21 Click



PID: MIKROE-5240

Temp&Hum 21 Click is a compact add-on board representing temperature and humidity sensing solution. This board features the HIH8130-021-001, a highly accurate, fully-calibrated digital humidity and temperature sensor from Honeywell Sensing and Productivity Solutions. This sensor, characterized by its high accuracy ($\pm 2\%$ RH and $\pm 0.5^\circ\text{C}$ over a wide operating temperature range) and high resolution, provides factory-calibrated 14-bit data to the host controller with a configurable I2C interface. It also comes with alarm features with selectable alarm thresholds by an MCU or externally. The long-term stability and reliability, alongside other features, make this Click board™ ideal for various temperature and humidity-related applications in industrial, medical, and other applications.

Temp&Hum 21 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 in industrial, medical, and other applications
On-board modules	HIH8130-021-001 - digital humidity and temperature sensor from Honeywell Sensing and Productivity Solutions
Key Features	Industry-leading long-term stability and reliability, fully-calibrated and temperature-compensated, high precision and accuracy, I2C interface with alarm functions, low power consumption, 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](#)

Downloads

[HIH8130-021-001 datasheet](#)

[Temp&Hum 21 click 2D and 3D files](#)

[Temp&Hum 21 click schematic](#)

[Temp&Hum 21 click example on Libstock](#)

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