

Temp&Hum 20 Click



PID: MIKROE-4907

Temp&Hum 20 Click is a compact add-on board that represents temperature and humidity sensing solution. This board features the CC2D23, a highly accurate, fully-calibrated relative humidity and temperature sensor from Amphenol. This sensor, characterized by its high accuracy ($\pm 2\%$ from 20% to 80%RH ($\pm 3\%$ over entire humidity 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 for preset control at a minimum and maximum humidity. The long-term stability and reliability, alongside other features, 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 20 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	CC2D23 - highly accurate, fully-calibrated relative humidity and temperature sensor from Amphenol
Key Features	Low power consumption, fully-calibrated and temperature-compensated, high precision and accuracy, I2C interface with alarm functions, reliable in harsh environments, 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 20 click example on Libstock](#)

[Temp&Hum 20 click 2D and 3D files](#)

[SiP32431DN datasheet](#)

[CC2D23 datasheet](#)

[Temp&Hum 20 click schematic](#)

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).