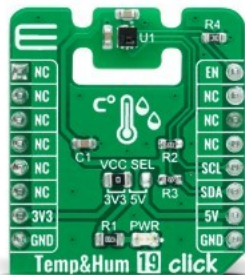


Temp&Hum 19 Click



PID: MIKROE-4922

Temp&Hum 19 Click is a compact add-on board that represents temperature and humidity sensing solution. This board features the BPS240, a highly accurate relative humidity and temperature sensor from Bourns. This sensor, characterized by its high accuracy ($\pm 2\%$ from 20% to 80%RH ($\pm 4\%$ over entire humidity range)) and high resolution, provides 10-bit data to the host controller with a configurable I2C interface. 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 HVAC systems, climate monitoring up to diagnostic and analysis equipment, and many more.

Temp&Hum 19 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 HVAC systems, climate monitoring up to diagnostic and analysis equipment, and many more
On-board modules	BPS240 - relative humidity, and temperature sensor from Bourns
Key Features	Low power consumption, fully-calibrated and temperature-compensated, high precision and accuracy, I2C interface, 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 19 click 2D and 3D files](#)

[BPS240 datasheet](#)

[Temp&Hum 19 click schematic](#)

[Temp&Hum 19 click example on Libstock](#)

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