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PHT Click





PID: MIKROE-4348

PHT Click is a compact add-on board that contains a PHT combo sensor. This board features the <u>MS8607</u>, a digital combination sensor providing 3 environmental measurements all-in-one: pressure, humidity, and temperature from <u>TE Connectivity</u>. This sensor is based on leading MEMS technologies, provides factory-calibrated PHT data available over an I2C serial interface. The standout feature of the MS8607, alongside its very respectable low power consumption at as low as $0.78~\mu\text{A}$, is also ultra-low power consumption and high PHT accuracy. This Click board TM is appropriate for environmental monitoring, as well as PHT applications such as HVAC and weather stations.

PHT Click is supported by a $\frac{\text{mikroSDK}}{\text{compliant library}}$, which includes functions that simplify software development. This $\frac{\text{Click board}^{\intercal}}{\text{comes}}$ comes as a fully tested product, ready to be used on a system equipped with the $\frac{\text{mikroBUS}^{\intercal}}{\text{mikroBUS}^{\intercal}}$ socket.

Mikroe produces entire development toolchains for all major microcontroller architectures.

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health and safety management system.



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Specifications

Туре	Environmental
Applications	Can be used for environmental monitoring, as well as PHT applications such as HVAC and weather stations.
On-board modules	PHT Click is based on the MS8607, a digital combination sensor providing 3 environmental measurements all-in-one: pressure, humidity, and temperature from TE Connectivity.
Key Features	Ultra-low power consumption, integrated pressure, humidity and temperature sensor, fully factory calibrated, high-resolution, 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

<u>mikroBUS™</u>

mikroSDK

Click board™ Catalog

Click boards™

Downloads

PHT click example on Libstock

PHT click 2D and 3D files

PHT click schematic

PCA9306 datasheet

MS8607 datasheet

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