![MIKROE logo] Time-saving embedded tools

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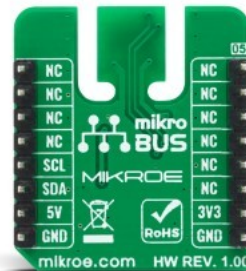www.mikroe.com

PHT Click

PID: MIKROE-4348

PHT Click is a compact add-on board that contains a PHT combo sensor. This board features the MS8607, a digital combination sensor providing 3 environmental measurements all-in-one: pressure, humidity, and temperature from TE Connectivity. 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 µA, is also ultra-low power consumption and high PHT accuracy. This Click board™ is appropriate for environmental monitoring, as well as PHT applications such as HVAC and weather stations.

PHT 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.

Specifications

Type	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
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

PHT click example on Libstock

PHT click 2D and 3D files

PHT click schematic

PCA9306 datasheet

MS8607 datasheet

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).

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