

Environment 2 Click



PID: MIKROE-4558

Environment 2 Click is a compact add-on board containing best-in-class SHT humidity and SGP air-quality sensing solutions from [Sensirion](#). This board features [SHT40](#) and [SGP40](#), a high-accuracy ultra-low-power relative humidity, and a temperature sensor combined with MOx based gas sensor. The SHT40 sensor offers linearized digital output, provides constant temperature accuracy, up to 0.1°C, and shows the best performance when operated within the temperature and humidity range of 5-60°C and 20-80%RH, while the SGP40, a digital gas sensor, features a temperature-controlled micro hot-plate providing a humidity-compensated VOC-based indoor air quality signal. This Click board™ is suitable for indoor air quality and various temperature and humidity-related applications.

Environment 2 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	Environmental
Applications	Can be used for indoor air quality and various temperature and humidity-related applications.
On-board modules	SHT40 and SGP40 - high-accuracy best-in-class SHT relative humidity, and a temperature sensor combined with MOx based gas sensor from Sensirion
Key Features	Low power consumption, high accuracy, covers extended operating humidity and temperature ranges, long-term stability and lifetime, and more.
Interface	I2C
ClickID	No
Compatibility	mikroBUS
Click board size	M (42.9 x 25.4 mm)
Input Voltage	3.3V or 5V

Resources

[mikroBUS™](#)

[mikroSDK](#)

[Click board™ Catalog](#)

[Click boards™](#)

Downloads

[SHT40 datasheet](#)

[SGP40 Datasheet](#)

[Environment 2 click 2D and 3D files](#)

[Environment 2 click schematic](#)

[PCA9306 datasheet](#)

[Environment 2 click example on Libstock](#)

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