

MIKROELEKTRONIKA D.O.O, Batajnički drum 23, 11000 Belgrade, Serbia VAT: SR105917343 Registration No. 20490918
Phone: + 381 11 78 57 600 Fax: + 381 11 63 09 644 E-mail: office@mikroe.com

www.mikroe.com

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 <u>Sensirion</u>. This board features <u>SHT40</u> and <u>SGP40</u>, 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 $\underline{\mathsf{mikroSDK}}$ compliant library, which includes functions that simplify software development. This $\underline{\mathsf{Click}}$ board $\underline{\mathsf{mikroBUS}}^{\mathsf{mikroBUS}}$ comes as a fully tested product, ready to be used on a system equipped with the $\underline{\mathsf{mikroBUS}}^{\mathsf{mikroBUS}}$ 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.





health and safety management system.



MIKROELEKTRONIKA D.O.O, Batajnički drum 23, 11000 Belgrade, Serbia VAT: SR105917343 Registration No. 20490918 Phone: + 381 11 78 57 600 Fax: + 381 11 63 09 644 E-mail: office@mikroe.com www.mikroe.com

Specifications

Туре	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

<u>mikroBUS™</u>

mikroSDK

Click board™ Catalog

Click boards™

Downloads

SHT40 datasheet

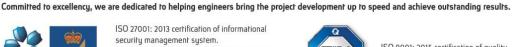
SGP40 Datasheet

Environment 2 click 2D and 3D files

Environment 2 click schematic

PCA9306 datasheet

Environment 2 click example on Libstock



Mikroe produces entire development toolchains for all major microcontroller architectures.

health and safety management system.

ISO 14001: 2015 certification of environmental management system. OHSAS 18001: 2008 certification of occupational

