# Environment 4 Click

PID: MIKROE-5526

**Environment 4 Click** is a compact add-on board combining 4th-generation SHT humidity and SGP air-quality sensing solutions from Sensirion. This board features the SHT41A-AD1B I2C-configurable high-accuracy relative humidity/temperature and the SGP41, an MOx-based gas sensor. The SHT41A-AD1B offers a linear digital output alongside temperature/humidity accuracy up to ±0.3°C/±2%RH. It performs best within the operating range of 5-60°C and 20-80%RH. With the help of the SGP41 which features a temperature-controlled micro hotplate, it also provides a humidity-compensated VOC and NOx-based indoor air quality signal. This Click board™ is suitable for measuring relative humidity and temperature in air purifiers or demand-controlled ventilation systems.

Environment 4 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.
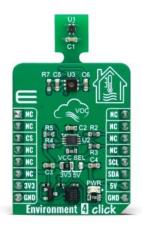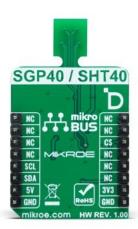
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# Specifications

| Type | Environmental |
| --- | --- |
| Applications | Can be used for measuring relative humidity and temperature in air purifiers or demand-controlled ventilation systems |
| On-board modules | SHT41A-AD1B - 4th-generation high-accuracy SHT relative humidity, and a temperature sensor from Sensirion SGP41 - 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, I2C interface, and more |
| Interface | I2C |
| ClickID | Yes |
| 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™

ClickID

## Downloads

Environment 4 click example on Libstock

Environment 4 click 2D and 3D files

Environment 4 click schematic

SHT41A-AD1B datasheet

SGP41 datasheet

PCA9306 datasheet