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Air quality 7 Click

PID: MIKROE-4196

Air quality 7 Click is a compact add-on board that combines state-of-the-art MOS sensor technology with intelligent detection algorithms to monitor VOCs and CO2 equivalent variations in confined spaces. This board features the MiCS-VZ-89TE, an integrated sensor module for indoor air quality monitoring from Amphenol. This Click board™, an I2C configurable environmental sensor board, has many features such as low power, wide VOCs detection range, high sensitivity, and high resistance to shocks and vibrations which make it an excellent choice for VOC and CO2 monitoring in confined spaces such as meeting rooms and vehicle cabins, saving energy and reducing cost-of-ownership.

Air quality 7 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	Air Quality ,Gas
Applications	Can be used for a VOC and CO2 monitoring in confined spaces such as meeting rooms and vehicle cabins, saving energy and reducing cost-of-ownership.
On-board modules	Air Quality 7 Click is based on the MiCS-VZ-89TE, an integrated sensor module for indoor air quality monitoring from Amphenol.
Key Features	Low power consumption, wide VOC detection range, high sensitivity, high resistance to shocks and vibrations, and more.
Interface	I2C
Compatibility	mikroBUS
Click board size	M (42.9 x 25.4 mm)
Input Voltage	3.3V

Resources

mikroBUS™

mikroSDK

Click board™ Catalog

Click boards™

Downloads

Air quality 7 click example on Libstock

Air quality 7 click 2D and 3D files

MiCS-VZ-89TE datasheet

Air quality 7 click schematic

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