

SHT AN Click



PID: MIKROE-3984

SHT AN Click is a sensorics based add on board which can be used for measuring humidity and temperature. It features fully calibrated, linearized and temperature compensated [SHT31-ARP-B](#) sensor with analog output. This sensor is built on a new technology CMOSens® sensor chip from [Sensirion](#). What differentiate this Click board comparing to other is dual sensor analog output which can be used for measuring and calculation of the data over one analog output. This board is best suitable for the smart and low power applications which require temperature range of -40 to up to 90 °C. We have also in our offer SHT Click, which is a digital interface version of the same sensor.

SHT AN 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	Temperature & humidity
Applications	Industrial RH and temperature measuring applications, smart home, air conditioner, home and environmental monitoring, etc...
On-board modules	SHT AN Click uses the SHT31-ARP, a high accuracy temperature and humidity sensor from Sensirion.
Key Features	Key Features Low energy consumption, wide temperature and humidity operating range with low RH response time, small package
Interface	Analog,GPIO
ClickID	No
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

[SHT AN click example on Libstock](#)

[SHT AN click 2D and 3D files](#)

[SHT31-ARP datasheet](#)

[SHT AN click schematic](#)

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