

Thermo 26 Click



PID: MIKROE-5384

Thermo 26 Click is a compact add-on board that accurately measures temperature. This board features the [STS31-DIS](#), a high-accuracy digital temperature sensor from [Sensirion](#). Characterized by its high accuracy (up to $\pm 0.2^{\circ}\text{C}$ typical) and high resolution of 0.01°C , the STS31-DIS provides temperature data to the host controller with a configurable I2C interface. It relies on the industry-proven CMOSens® technology, providing increased intelligence, reliability, and improved accuracy specifications, including enhanced signal processing, user-selectable I2C addresses, and up to 1 MHz communication speeds. This Click board™ is suitable for the thermal management of various consumer, industrial, and environmental applications.

Thermo 26 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	Can be used for the thermal management of various consumer, industrial, and environmental applications
On-board modules	STS31-DIS - digital temperature sensor from Sensirion
Key Features	Low power consumption, high precision, I2C interface, temperature sensor in the STS31-DIS is the chip itself, resolution of 0.01°C, high accuracy, high reliability and long-term stability, and more
Interface	I2C
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

[Thermo 26 click example on Libstock](#)

[STS31-DIS datasheet](#)

[Thermo 26 click 2D and 3D files](#)

[Thermo 26 click schematic](#)

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