

Thermo 30 Click



PID: MIKROE-5736

Thermo 30 Click is a compact add-on board that accurately measures temperature. This board features the STS32-DIS-10KS, a third-generation, high-reliability, certified digital temperature sensor from Sensirion. It is a digitally calibrated and ISO17025-certified temperature sensor with an operating temperature range of -40 to 125°C. The temperature sensor relies on industry-proven CMOSens® technology, which enables better computational power, reliability, and accuracy specifications in comparison to its predecessors. This Click board™ makes the perfect solution for the development of the thermal management of portable electronics and industrial, consumer, and environmental applications.

Thermo 30 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 development of the thermal management of portable electronics and industrial, consumer, and environmental applications
On-board modules	STS32-DIS-10KS - a 3rd generation certified digital temperature sensor from Sensirion
Key Features	Low power consumption, high precision, high reliability, long-term stability, 16-bit temperature resolution, low drift digital calibration on CMOSens® technology, high accuracy, unique serial number, 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

[STS32-DIS datasheet](#)

[Thermo 30 click 2D and 3D files](#)

[Thermo 30 click schematic](#)

[Thermo 30 click example on Libstock](#)

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