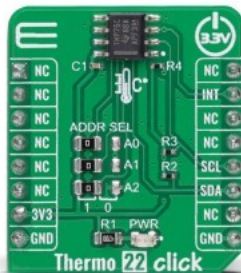


Thermo 22 Click



PID: MIKROE-5068

Thermo 22 Click is a compact add-on board that provides an accurate temperature measurement. This board features the TMP75C, a high-precision digital temperature sensor from Texas Instruments. The TMP75C houses an integrated digital temperature sensor with a 12-bit analog-to-digital converter (ADC), a reference circuit, and serial interface logic functions in one package. Characterized by its high accuracy (up to $\pm 0.25^{\circ}\text{C}$ typical) and high resolution of 0.0625°C , this temperature sensor provides temperature data to the host controller with a configurable I2C interface. This Click board™ is appropriate for thermal management and protection of various consumer, industrial, and environmental applications.

Thermo 22 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 thermal management and protection of various consumer, industrial, and environmental applications
On-board modules	TMP75C - digital temperature sensor from Texas Instruments
Key Features	Low power consumption, high precision, overtemperature alert with programmable trip values, shutdown and one-shot mode, high accuracy, and more
Interface	I2C
Compatibility	mikroBUS
Click board size	S (28.6 x 25.4 mm)
Input Voltage	3.3V

Resources

[mikroBUS™](#)

[mikroSDK](#)

[Click board™ Catalog](#)

[Click boards™](#)

Downloads

[Thermo 22 click example on Libstock](#)

[TMP75C datasheet](#)

[Thermo 22 click 2D and 3D files](#)

[Thermo 22 click schematic](#)

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