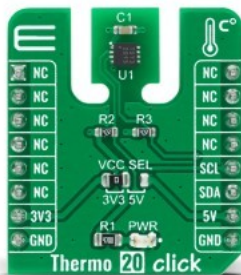


Thermo 20 Click



PID: MIKROE-4316

Thermo 20 Click is a compact add-on board that provides an accurate temperature measurement. This board features the [TSYS03](#), a miniature digital temperature sensor that comes up with factory calibrated, highly accurate temperature data from [TE Connectivity](#). This temperature sensor characterized by its accuracy and high resolution offers digital output with a configurable I2C interface, ensures lower conversion time with precise temperature sensing, and provides a low power consumption sensor suitable for battery-driven applications. This Click board™ is appropriate for industrial control, as a replacement of precision RTDs, thermistors, and NTCs, or in any other temperature measurement applications.

Thermo 20 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 industrial control, as a replacement of precision RTDs, thermistors, and NTCs, or in any other temperature measurement applications. |
| On-board modules | Thermo 20 Click is based on the TSYS03, an ultra-compact digital temperature sensor with precise digital output and low power consumption from. |
| Key Features | Low power consumption, high accuracy, high resolution, low conversion time with precise temperature sensing, and more. |
| Interface | I2C |
| 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

[Thermo 20 click 2D and 3D files](#)

[Thermo 20 click example on Libstock](#)

[Thermo 20 click schematic](#)

[TSYS03 datasheet](#)

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