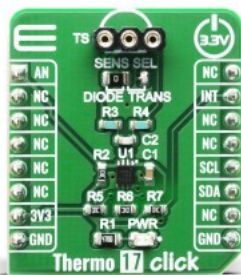


Thermo 17 Click



PID: MIKROE-3994

The **Thermo 17 Click** is a Click board™ based on the [TMP451-Q1](#), a high-accuracy, lowpower remote temperature sensor monitor with a built-in local temperature sensor from [Texas Instruments](#). Because of its main features, this Click is perfect for automotive infotainment systems, ECU processor temperature monitoring, TCM processor temperature monitoring, BCM processor temperature monitoring and LED headlight thermal control.

Thermo 17 Click board™ 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	Automotive infotainment systems, ECU processor temperature monitoring, TCM processor temperature monitoring, BCM processor temperature monitoring and LED headlight thermal control
On-board modules	TMP451-Q1, a high-accuracy, lowpower remote temperature sensor monitor with a built-in local temperature sensor from Texas Instruments
Key Features	Qualified for automotive applications, Series resistance cancellation, Programmable digital filter
Interface	GPIO,I2C
ClickID	No
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 17 click example on Libstock](#)

[Thermo 17 click 2D and 3D files](#)

[TMP451-Q1 datasheet](#)

[Thermo 17 click schematic](#)

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