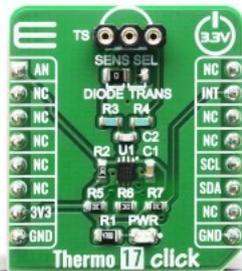# Thermo 17 Click

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.

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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
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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