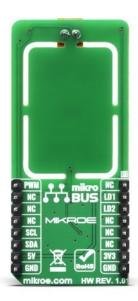


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# **Heater Click**





PID: MIKROE-3996

**Heater Click** is designed with intention of PCB heater concept testing and useful tool for heating complete casing where staying in specified temperature range is crucial. Exact PCB temperature can be set and controlled using TMP235 on board temperature sensor from Texas <u>Instruments</u>. Heater Click is useful tool for some projects and products that require some kind of heating, whether to prevent electronics from becoming too cold, to help control humidity, to heat up a substance, or even to prevent one material from sticking to another.

Heater 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.







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## **Specifications**

Туре	Temperature
Applications	Seed germination, 3D printer heated beds, humidity control, loads, heater reference
On-board modules	MCP3221, TMP235
Key Features	Stable temperature adjusting and monitoring
Interface	I2C,PWM
Compatibility	mikroBUS
Click board size	L (57.15 x 25.4 mm)
Input Voltage	3.3V or 5V

#### Resources

mikroBUS™

**mikroSDK** 

Click board™ Catalog

Click boards™

#### **Downloads**

Heater click 2D and 3D files

TMP235 datasheet

**Heater click schematic** 

MCP3221 datasheet

Heater click example on Libstock

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health and safety management system.

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