

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 Instruments](#). 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.



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	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
ClickID	No
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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