

Detailed Specification



TempSense 810

Specifications Sheet

Constructed using industrial plastics, TempSense 810 hosts, BLE circuitry, Temperature Sensor and the batteries.

The batteries survive the sensor for 5 years.

Detailed Specification

Item Name	Description	Specifications
Physical	Material	ABS
	Dimension	70mm (L) by 28mm (W) by 08mm (H)
Battery	Battery Cells	02
	Battery Capacity / Cell	354mAh
	Battery Voltage	3V
	Battery Chemistry	LiMNO ₂
	Battery Storage Temperature	Room Temperature

Detailed Specification

Item Name	Description	Specifications
Temperature Sensor	Type	Digital
	Accuracy	• $\pm 0.1^{\circ}\text{C}$ (maximum) from -20°C to 50°C
		• $\pm 0.15^{\circ}\text{C}$ (maximum) from -40°C to 70°C
		• $\pm 0.2^{\circ}\text{C}$ (maximum) from -40°C to 100°C
• $\pm 0.25^{\circ}\text{C}$ (maximum) from -55°C to 125°C		
TempSense 810	Operating Temperature	-40°C to $+85^{\circ}\text{C}$
	Grading	Medical Grade ASTM E1112 and ISO80601-2-56
	Certification	NIST Traceable, ISO/IEC 17025

Construction



← - - - - QR Code - Identifier

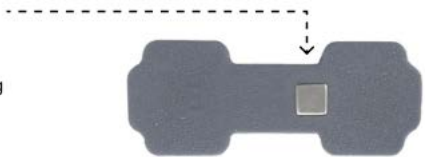
QR code that uniquely identifies the TempSense 810. The QR code is used for pairing the TempSense810 with the GT Mini.

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Dual Batteries ← - -

Dual batteries with chemistry of LiMNO₄ that survive a vast temperature range of -40°C to +125°C.

Sensing Tip

Stainless steel-based sensing tip that can measure the air temperature or touch based temperature.



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FCC Warning Statement: Changes or modifications to this unit not expressly approved by the party responsible for compliance could void the user's authority to operate the equipment. This equipment has been tested and found to comply with the limits for a Class B digital device, pursuant to Part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference in a residential installation. This equipment generates, uses and can radiate radio frequency energy and, if not installed and used in accordance with the instructions, may cause harmful interference to radio communications.

However, there is no guarantee that interference will not occur in a particular installation. If this equipment does cause harmful interference to radio or television reception, which can be determined by turning the equipment off and on, the user is encouraged to try to correct the interference by one or more of the following measures:

- **Reorient or relocate the receiving antenna.**
- **Increase the separation between the equipment and receiver.**
- **Connect the equipment into an outlet on a circuit different from that to which the receiver is connected.**
- **Consult the dealer or an experienced radio/TV technician for help.**

This device complies with Part 15 of the FCC Rules. Operation is subject to the following two conditions: (1) this device may not cause harmful interference, and (2) this device must accept any interference received, including interference that may cause undesired operation.

FCC Radiation Exposure Statement

The device has been evaluated to meet general RF exposure requirement. The device can be used in portable exposure condition without restriction.