

# Specifications

Model Numbers (Patch Operating Life)	TT-100 (24 hrs.), TT-300 (72 hrs.)
Patch Dimensions	Length: 100.0 mm (3.94 in), Height: 50.0 mm (1.97 in), Thickness: 2.0 mm (0.08 in)
Patch Weight	5.1 grams (0.18 ounces)
Patch Environmental Conditions <ul style="list-style-type: none"> <li>• Transport and Storage</li> <li>• Use</li> </ul>	-20 to 50 °C (-4 to 122 °F) / 15 - 95% RH (non-condensing) 16 to 40 °C (61 to 104 °F) / 15 - 95% RH (non-condensing)
Temperature Measurement Location	Axillary (under the arm) - TempTraQ measures under-the-arm "axillary" temperature. Axillary body temperature is typically 0.6 °C (1 °F) lower than oral temperature measurements. <sup>1</sup>
Temperature Range	30.6 °C - 42.9 °C (87.0 °F - 109.3 °F). Temperatures below this range will be displayed in the app as "Lo". Temperatures above this range will be displayed in the app as "Hi".
Temperature Indications	Less than or equal to low temperature threshold - BLUE Less than 38.0 °C (100.4 °F) (Default) – GREEN Equal to or greater than 38.0 °C (100.4 °F) (Default) – ORANGE Equal to or greater than the user defined alert temperature – RED
Accuracy	Conforms with ASTM E1112-00 (2011); +/- 0.1 °C or +/- 0.2 °F over the temperature range of the device.
Display Resolution	0.1 °C (0.1 °F)
Response Time	Once applied to the underarm, the patch requires up to 8 minutes to reach a stable reading.
Transmission Distance	Patch will transmit up to 12 meters (40 feet) when applied to the underarm.
Compatible Smart Devices	Smartphones or tablets with Bluetooth® 4.0 running Apple® or Android™ operating systems released in the last three years.
Standards	ASTM E1112-00 (2011) standard for electronic thermometers IEC 60601-1 Medical Design Standards, 3rd Edition IEC 60601-1-2 Electromagnetic Compatibility Bluetooth® Version 4.0 ISO 80601-2-56 Medical electrical equipment Particular requirements for basic safety and essential performance of clinical thermometers for body temperature measurement
Radio Regulations	FCC Part 15 Industry Canada License exempt RSS standard(s) ISO/IEC 60601-1-2 Electromagnetic Compatibility CISPR 11 Group 1, Class B Radiated Emissions within 30 – 1,000 MHz
Water Ingress Protection	IP24 - Protected from damage due to water splashing on the product.

This thermometer conforms to all requirements established in ASTM standard E1112-00. Full responsibility for conformance of this product to the specification is assumed by Blue Spark Technologies, Inc., 806 Sharon Drive, Suite G, Westlake, Ohio 44145

1. Geneva II, Cuzzo B, Fazili T, Javaid W. Normal Body Temperature: A Systematic Review. Open Forum Infect Dis. 2019 Apr 9;6(4):ofz032. doi: 10.1093/ofid/ofz032. PMID: 30976605; PMCID: PMC6456