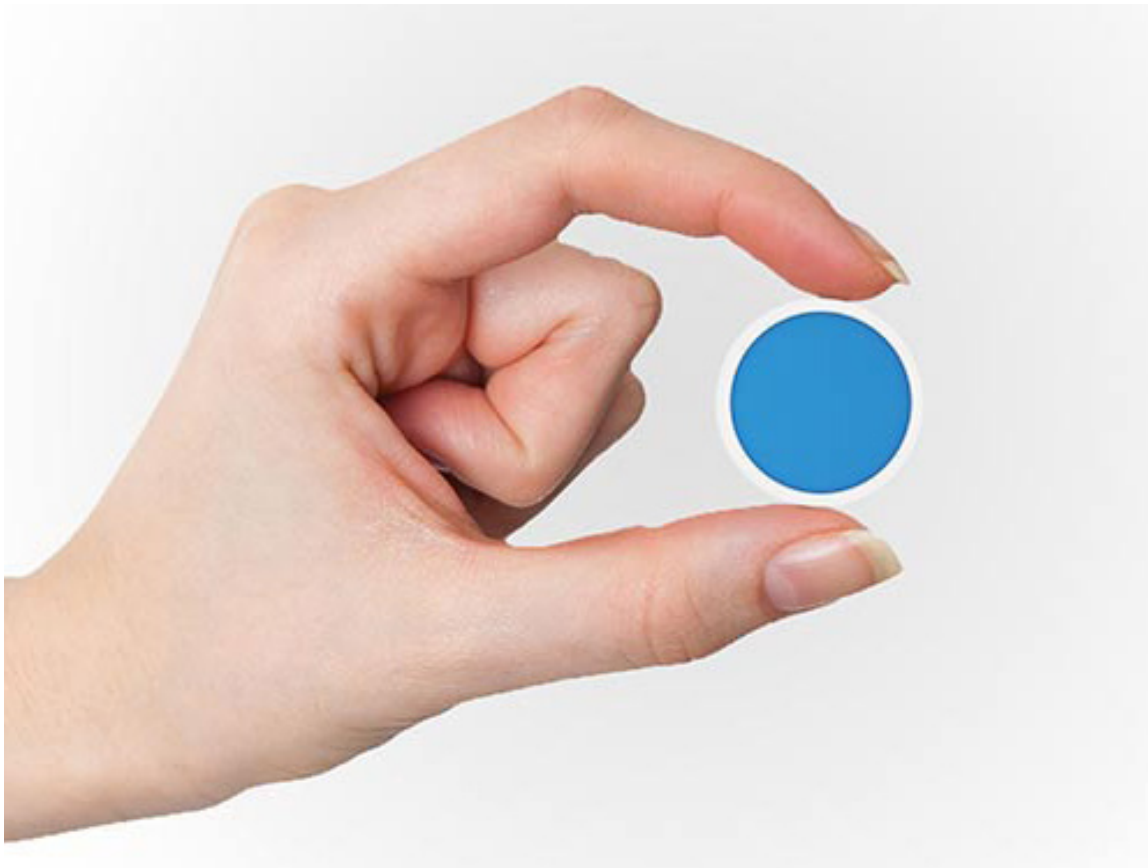


# **Blue Maestro Disc Maxi**

## **TEMPERATURE SENSOR AND LOGGER: DISC-MAXI-001**

### **SPECIFICATIONS**

**Version 1.0.1**  
26 April 2024



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## Specifications

The following is the specification for the Tempo Disc Temperature, Humidity and Dew Point Data Logger.

<b>BLUETOOTH VERSION</b>	4.3 or higher
<b>BLUETOOTH SYSTEM ON CHIP</b>	Nordic Semiconductor nRF52832
<b>MEMORY</b>	64k RAM, 1mB Flash
<b>PROCESSOR</b>	ARM Cortex M4 32-bit
<b>BATTERY</b>	CR2477, changeable
<b>TEMPERATURE SENSOR</b>	+/- 0.4 Degrees Celsius with a range of -40 and +125 Degrees Celsius
<b>ANTENNA</b>	Johannson Technology 2450AT18D0100 omni-directional chip antenna with matching tuning circuitry
<b>RANGE</b>	75 meters/250 feet line of sight
<b>HARDWARE FEATURES</b>	Polycarbonate exterior with TPE soft touch button and LED indicator
<b>ENERGY CONSUMPTION</b>	nRF52832 Peak TX (0dBm) 4.8mA; Low Power Mode 1.5 $\mu$ A
<b>ESTIMATED BATTERY LIFE</b>	4 -5 years dependant on settings and use
<b>ROHS COMPLIANT</b>	Yes

<b>SETTINGS FEATURES</b>	<p>The following represent some of the settings that can be changed using the Command Console</p> <p>Transmit Power, Advertising Timeout, Name of Device, Rate of Logging, Password Protect, Reset Device, Device Information, Device Firmware Upgrade, Flight Safe Mode, Threshold Alarms for Temperature, Humidity or Dew Point (x2)</p>
<b>FREQUENCY OF LOGGING</b>	Configurable from measuring and logging Temperature, Humidity and Dew Point every 1 second to every 24 hours. Default is hourly
<b>NUMBER OF LOGS</b>	20,000 timestamped values for temperature
<b>FLIGHT SAFE MDOE</b>	The Device can be put into airplane mode such that it logs data but does not transmit radio signals. When the button is depressed, the Device will advertise for 5 minutes and it can be taken out of airplane mode
<b>CUSTOMISABLE</b>	Colouring, branding, advertising packet and firmware possible
<b>IP RATING</b>	IP42
<b>REGULATORY</b>	CE, FCC, ROHS
<b>COUNTRY OF MANUFACTURE</b>	United States/United Kingdom

## Dimensions and form

The following represents the dimensions and form of the Disc Maxi.

