

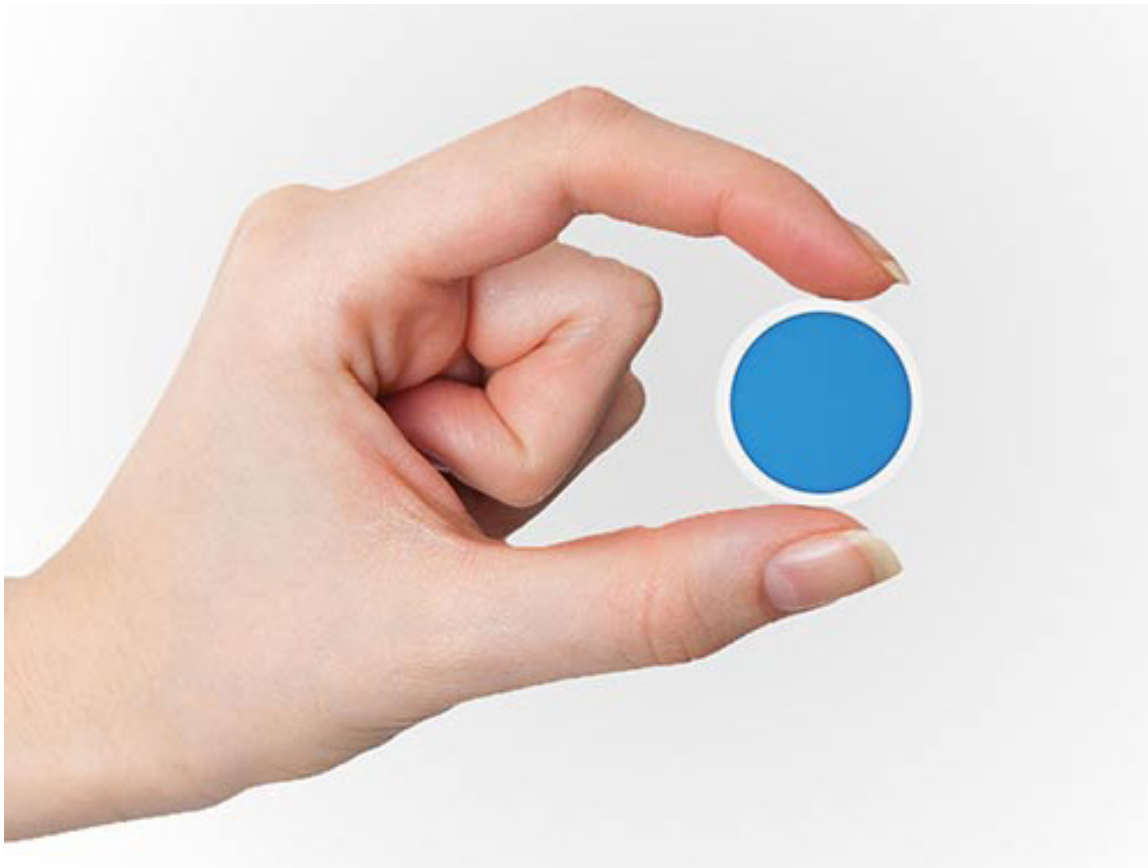
Blue Maestro Disc Maxi

TEMPERATURE, HUMIDITY & DEW POINT SENSOR AND LOGGER: DISC-MAXI-003

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.

BLUETOOTH VERSION	4.3 or higher
BLUETOOTH SYSTEM ON CHIP	Nordic Semiconductor nRF52832
MEMORY	64k RAM, 1mB Flash
PROCESSOR	ARM Cortex M4 32-bit
BATTERY	CR2477, changeable
TEMPERATURE SENSOR	+/- 0.4 Degrees Celsius with a range of -40 and +125 Degrees Celsius
HUMIDITY SENSOR	+/- 0.4% Relative Humidity. Full range 0% - 100% Relative Humidity
DEW POINT	Dew point is calculated using an algorithm with Temperature and Humidity as inputs
ANTENNA	Johannson Technology 2450AT18D0100 omni-directional chip antenna with matching tuning circuitry
RANGE	75 meters/250 feet line of sight
HARDWARE FEATURES	Polycarbonate exterior with TPE soft touch button and LED indicator
ENERGY CONSUMPTION	nRF52832 Peak TX (0dBm) 4.8mA; Low Power Mode 1.5 μ A
ESTIMATED BATTERY LIFE	4 -5 years dependant on settings and use
ROHS COMPLIANT	Yes

SETTINGS FEATURES	<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>
FREQUENCY OF LOGGING	Configurable from measuring and logging Temperature, Humidity and Dew Point every 1 second to every 24 hours. Default is hourly
NUMBER OF LOGS	6,000 timestamped values for Temperature, Humidity and Dew Point.
FLIGHT SAFE MDOE	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
CUSTOMISABLE	Colouring, branding, advertising packet and firmware possible
IP RATING	IP42
REGULATORY	CE, FCC, ROHS
COUNTRY OF MANUFACTURE	United States/United Kingdom

Dimensions and form

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

