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Specifications

The following is the specification for the Disc Mini Temperature Sensor and Logger DISC-MINI-001

BLUETOOTH VERSION	4.3 or above	SETTINGS FEATURES	The following represent some of the settings that can be changed using the Command Console Transmit Power, Advertising Timeout, Name of Device, Rate of Logging, Password Protect, Reset Device, Device Information, Flight Safe Mode
BLUETOOTH SYSTEM ON CHIP	Nordic Semiconductor nRF52832		
MEMORY	64k RAM, 512k Flash		
PROCESSOR	ARM Cortex M4 32-bit		
BATTERY	CR2032 (changeable)		
BATTERY LIFE	Approximately 12 months in normal conditions and normal use		
SENSOR MODEL	Silicon Labs I2C SI7020 A20. For more details on the nature of the sensor including hysteresis, drift, long term stability, accuracy, etc. please see the underling sensor specification document: https://www.silabs.com/documents/public/data-sheets/SI7020-A20.pdf		
TEMPERATURE SENSOR	+/- 0.4 Degrees Celsius with a range of -40 to +125 Degrees Celsius		
CALIBRATION	Factory calibration certificates available. Device also has calibration offsets for user based calibration		
ANTENNA	Johannson Technology 2450AT18D0100 omni-directional chip antenna with matching tuning circuitry		
RANGE	75 meters/250 feet line of sight	FREQUENCY OF LOGGING	Configurable from measuring and logging Temperature every 10 seconds to every 12 hours. Default is hourly
HARDWARE FEATURES	Polycarbonate exterior with TPE soft touch button and LED indicator	NUMBER OF LOGS	20,000 timestamped temperature data points on a rolling FIFO basis
		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 1 minute and it can be taken out of airplane mode
		CUSTOMISABLE	Colouring, branding, advertising packet and firmware customisation possible.
		IP RATING	IP42
		REGULATORY	EC, FCC and RoHS
		COUNTRY OF MANUFACTURE	United States/United Kingdom

Dimensions and form

The enclosure is a white polycarbonate body with vertical air vents for fast and accurate environment measurement, a soft touch coloured TPE button on the top surface and a green LED indicator visible through a small bubble type protrusion on the side.

