



TempTag D100 Temperature & Humidity Data Logger operates on LoRAWAN protocol. It includes a built-in Temperature & humidity sensor and has an option to connect to an external Temperature Sensor. It is especially designed for food service application. Device's signal can easily penetrate through stainless steel doors. D100 is fully compatible with LoRaWAN v1.0.3 Class A protocol, it is compatible with a M700 LoRaWAN gateway. The D100 device is a built-in datalogger which can store upto 3000 records. When there is no network coverage, the device will intelligently store data and push data to cloud when network restores.

### TempTag D100 Data Logger

<b>Specifications</b>	
<b>Wireless Protocol</b>	LoRA
<b>Frequency Bands</b>	US915/EU868/AU915/AS923
<b>Built-in Temperature sensor</b>	<b>Measurement Range:</b> -40 to 80°C <b>Resolution:</b> 0.01°C <b>Accuracy:</b> ±0.5°C <b>Long term drift:</b> <0.02 °C/yr
<b>Built-in Humidity sensor</b>	<b>Measurement Range:</b> 0 to 96 %RH <b>Resolution:</b> 0.04 %RH <b>Accuracy:</b> ±3 %RH <b>Long term drift:</b> <0.02 %RH/yr
<b>External Temperature sensor (Optional)</b>	<b>Measurement Range:</b> -55 to 125°C <b>Resolution:</b> 0.0625°C <b>Accuracy for (-10 to +85°C) Range:</b> ±0.5°C <b>Accuracy for (-55 to +125°C) Range:</b> ±2°C
<b>Logging Rate</b>	1 - 60 minutes (Default 15 minutes) – User configurable
<b>Data Logging</b>	3000 Records
<b>Edge Processing</b>	Food Temperature Product Simulation
<b>Battery Type</b>	3V, 2400mAh Lithium Battery
<b>Battery Life</b>	3+ years, typical transmission with 15 minutes interval
<b>Features</b>	Data-logging feature Optional External Sensor Tri-color LED to indicate different status LoRaWAN v1.0.3 Class A protocol
<b>Environmental Rating</b>	IP67
<b>Dimensions</b>	9.2 x 4.25 x 2.9 cm
<b>Weight</b>	65.5 g
<b>Compliance</b>	21 CFR Part 11, FCC, IC, CE, RoHS

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.

Changes or modifications not expressly approved by the party responsible for compliance could void the user's authority to operate the equipment.

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.

#### Radiation Exposure Statement

This equipment complies with FCC radiation exposure limits set forth for an uncontrolled environment. This equipment should be installed and operated with minimum distance 20cm between the radiator and your body.