

# OnAsset Sentinel 100C Product User Manual

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## SENTINEL 100C OVERVIEW



OnAsset Sentinel tags are intended to enable a variety of asset tracking and monitoring applications using low cost Bluetooth Low Energy (BLE) multi-sensor devices.

The Sentinel 100C is designed to meet industry requirements for ruggedized and compliant high accuracy temperature measurement across a wide range from -200C to +480C. The Sentinel 100C is fully compatible with OnAsset’s line of SENTRY and Sentinel products and includes a display to show real time sensor data and status information to users.

To use the Sentinel 100C, simply include the tag in a package or shipment, or attach to any suitable surface of an asset using double-sided adhesive tape.

Sentinel logger device with fully integrated display supporting 2 RTD temperature probes:

- Display updates every 5 minutes
- Unit logs all sensor readings (works just like the Sentinel 100L Logger tag)
- Full sensor suite
- Ambient Temp & Humidity
- Light
- Shock and Tilt
- Single or Dual Temp Probes

<b>Communication</b>	Bluetooth Low Energy v5.0
<b>Battery</b>	Li-ion 3.7V, Capacity 2.2Ah
<b>Sensors</b>	Shock / Temperature / Humidity / Light
<b>Environmental</b>	Operating Temp Sentinel 100C: -20°C to +60°C Operating Temp: Probes: -200°C to +480°C
<b>Dimensions</b>	94mm x 96mm x 30mm
<b>Weight</b>	5.8 oz. (164g)

## PRODUCT USAGE & HANDLING INFORMATION

Handle the device with care. To avoid damage to the product and possible injury to the user, please observe the following:

- Do not attempt to open or disassemble the product. Sentinel tags are not user-serviceable devices.
- Do not use or store Sentinel tags outside of the stated operating temperatures. High or low temperatures can shorten the life of the device.

- Do not modify the Sentinel tags. Unauthorized modifications may damage the device and violate regulations governing radio devices.
- Dispose of Sentinel tags properly. Always return your used electronic products, batteries, and packaging materials to dedicated collection points.

## PRODUCT Notifications

- Changes or modifications not expressly approved by the party responsible for compliance could void the user's authority to operate the equipment.
- NOTE: This equipment has been tested and found to comply with the limits for a Class A digital device, pursuant to part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference when the equipment is operated in a commercial environment. This equipment generates, uses, and can radiate radio frequency energy and, if not installed and used in accordance with the instruction manual, may cause harmful interference to radio communications. Operation of this equipment in a residential area is likely to cause harmful interference in which case the user will be required to correct the interference at his own expense.
- This Class A digital apparatus complies with Canadian ICES-003.  
Cet appareil numérique de la classe A est conforme à la norme NMB-003 du Canada.
- 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.
- This device complies with ISED Canada license-exempt RSS standard(s). Operation is subject to the following two conditions: (1) this device may not cause interference, and (2) this device must accept any interference, including interference that may cause undesired operation of the device.

Le présent appareil est conforme aux CNR d'Industrie Canada applicables aux appareils radio exempts de licence. L'exploitation est autorisée aux deux conditions suivantes : (1) l'appareil ne doit pas produire de brouillage, et (2) l'utilisateur de l'appareil doit accepter tout brouillage radioélectrique subi, même si le brouillage est susceptible d'en compromettre le fonctionnement.

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