

# tracesafe

## Tracelet

This is a BLE 5.0 controllable tag used for contact tracing and other workplace health and safety applications. It operates with a CR2430 coin cell battery, gives LED indications for ON/OFF operations and Contact tracing. This hospital-grade, lightweight tag is waterproof, hypoallergenic, latex-free, and skin-friendly.



## 1. Features

- Bluetooth Low Energy 5.0 wireless protocol
- Compatible with Tracesafe’s AllSafe system
- 290 mAh non rechargeable battery
- LED Indication and push button
- Waterproof
- Lightweight

## 2. Specifications

Electrical	Symbol	Min.	Typ.	Max.	Unit	Remarks
Supply Voltage			3 V		Vdc	Manganese Dioxide Lithium Battery (non rechargeable)

RF	Symbol	Min.	Typ.	Max.	Unit	Remarks
Frequency Range		2402		2480	MHz	
TX Power			4		dBm	
Receiver Sensitivity			-91		dBm	

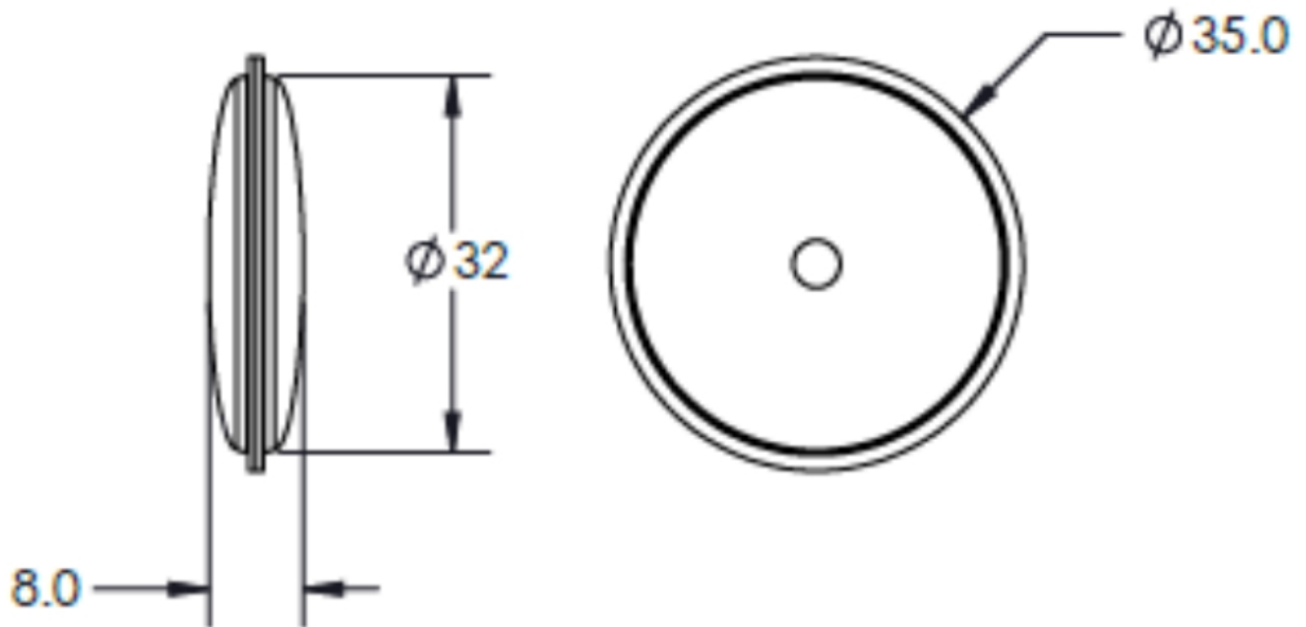
Environmental	Symbol	Min.	Typ.	Max.	Unit	Remarks
Operating Temperature	tj	0		50	°C	
Storage Temperature	ts	-25		90	°C	
Relative Humidity	RH	20		95	%	

Mechanical	Symbol	Min.	Typ.	Max.	Unit	Remarks
Dimensions			35 x 8		mm	Dia x Height
Net Weight			6		g	In gram

### 3. Device Dimensions

Top view; Case Material: PVC

All Dimensions are in mm



### 4. Operations of TCCT

The tag has an LED which indicates the state of the tag.

- Initially tag is powered off – LED is not lit.
- Tag is powered on by pressing the tag button for 4sec \_ LED will blink for 30 sec (Pairing time).
- After Pairing Time, beacon packets will be transmitted – LED will not be lit.
- During Contact tracing LED will be blinking.
- Tag may be powered down by pressing button for 15 sec when powered – LED will fast blink 3 times and turn off.

## 5. Ordering Information

Product Code	Product Name
TCCT	Tracelet

# tracesafe

Tracesafe Technologies INC  
401 Ryland Street, Suite 200-A  
Reno, Nevada 89502 USA

[www.tracesafe.io](http://www.tracesafe.io)

[sales@tracesafe.io](mailto:sales@tracesafe.io)

Version 1.0

#### FCC Warning:

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.

Caution: Any changes or modifications to this device not explicitly approved by manufacturer could void your authority to operate this 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.

This equipment complies with FCC radiation exposure limits set forth for an uncontrolled environment. This equipment should be installed and operated with minimum distance 0mm between the radiator and your body.

#### ISED Statement

English: This device contains licence-exempt transmitter(s)/receiver(s) that comply with Innovation, Science and Economic Development Canada's licence-exempt RSS(s). Operation is subject to the following two conditions: (1) This device may not cause interference.

(2) This device must accept any interference, including interference that may cause undesired operation of the device.

The digital apparatus complies with Canadian CAN ICES-3 (B)/NMB-3(B).

French: Cet appareil contient des émetteurs/récepteurs exempts de licence qui sont conformes aux RSS exemptés de licence d'Innovation, Sciences et Développement économique Canada.

L'exploitation est soumise aux deux conditions suivantes :

(1) Cet appareil ne doit pas provoquer d'interférences.

(2) Cet appareil doit accepter toute interférence, y compris les interférences susceptibles de provoquer un fonctionnement indésirable de l'appareil.

L'appareil numérique du ciem conforme canadien peut - 3 (b) / nmb - 3 (b).

This device meets the exemption from the routine evaluation limits in section 2.5 of RSS 102 and compliance with RSS 102 RF exposure, users can obtain Canadian information on RF exposure and compliance.

cet appareil est conforme à l'exemption des limites d'évaluation courante dans la section 2.5 du cnr - 102 et conformément avec rss 102 de l'exposition aux rf, les utilisateurs peuvent obtenir des données canadiennes sur l'exposition aux champs rf et la conformité .

This equipment complies with Canada radiation exposure limits set forth for an uncontrolled environment. Cet équipement est conforme aux limites d'exposition aux rayonnements du Canada établies pour un environnement non contrôlé .

The device has been evaluated to meet general RF exposure requirement. This equipment should be installed and operated with minimum distance 0mm between the radiator and your body.

L'appareil a été évalué pour répondre aux exigences générales d'exposition aux RF. Cet équipement doit être installé et utilisé avec une distance minimale de 0 mm entre le radiateur et votre corps.