



SENDUM BT100 Smart Probe User Guide

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Introduction

The Bluetooth-enabled Sendum BT100 Smart Probe tracks payload and ambient temperatures and tilt.

Basic System Operation

Prerequisites

1. PT300D-4G with firmware version of 0.3.07 or higher to support BT100 Smart Probe connectivity.
2. Advanced Sensor Pack model SP300B or Accessory Pack model AP310 (each, from here on, referred to as “pack”.)

Link your Smart Probe

1. Connect your PT300D-4G to your pack.
2. Within three seconds of each other, press and hold the Status Buttons on both your pack and the BT100 Smart Probe.
3. Release the buttons when the pack Network LED and the BT100 Smart Probe LED both blink green.
4. If the linking procedure is successful, both the pack Network LED and the BT100 Smart Probe LED will switch to steady green for five seconds. Both devices will subsequently turn their LEDs off.
5. Refer to “Press and Hold LED Patterns” on page 1 for a description of device LED responses during this process.

Unlinking

1. Unlinking is not currently supported in trial versions.
2. Linking to a new BT100 Smart Probe will automatically unlink the previous Smart Probe.

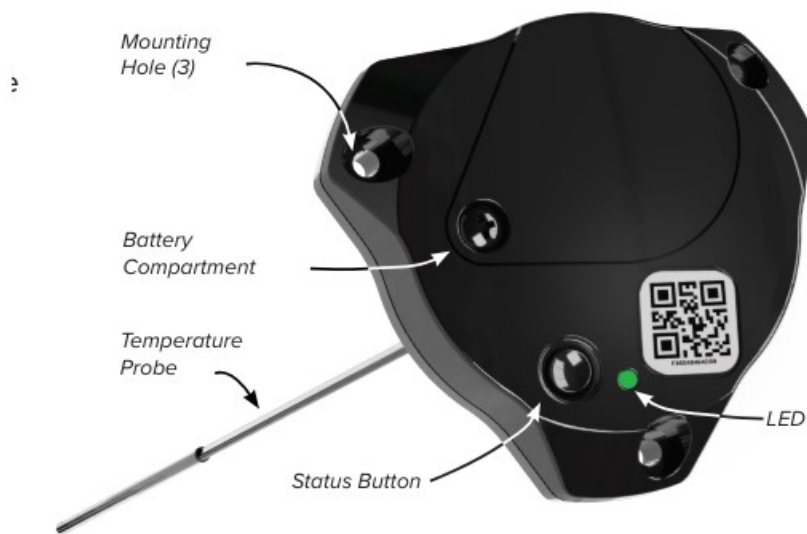
Verify Operation

To verify proper probe operation, generate a Sensor Report and check that the following data is reported:

1. Probe temperature
2. Probe ID matching the ID printed on the BT100 Smart Probe label
3. Ambient temperature
4. Tilt

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Status Button Operation

Press and Release LED Patterns

Once your BT100 Smart Probe is linked with a PT300D-4G, you can press and release the Status Button to determine if the temperature sensed by the temperature probe is within your set thresholds (as set in Findum Rules or within your own UI).

Activity	LED Action
Current temperature within range	Green blink
Current temperature outside range	Red blink

Press and Hold LED Patterns

When linking your BT100 Smart Probe to a PT300D4G device by pressing and holding the two devices' Status Buttons, the following LED patterns are possible:

Activity	PT300-4G (Network LED)	BT100 Smart Probe
Looking for link partner	Green blink	Blue blink
Found partner, trying to link	Green blink	Green blink
Link successful	Solid Green	Solid Green
Link failed/no partner found	Red fast blink	LED off

Battery Replacement

The BT100 Smart Probe is powered by a lithium coin cell. To replace the battery:

1. Remove the screw from the Battery Compartment and lift off the cover.
2. Remove the coin cell from its socket.
3. Place the new coin cell in the socket, making sure to insert it face up.
4. Place the Battery Compartment cover back in place and tighten the screw.

Battery Tips

Battery life depends on such factors as the network, signal strength, temperature, configuration, and the accessories you use.

1. Never expose batteries to temperatures below -20°C or above 65°C.
2. It is normal for batteries to lose capacity over time. If you notice a change in your battery life, it is probably time to purchase a new battery.



Never dispose of batteries in a fire because they may explode.

Before using your device, please read the battery safety information in the “Safety, Care, and Handling” section.

Safety, Care, and Handling

- a. This device contains sensitive electronic components.
- b. Do not puncture or crush.
- c. Do not drop or expose to violent impact or shock. This can cause mechanical damage.

- d. Do not place in contact with liquids.
- e. Do not store or transport flammable liquids, gases, or explosive materials in the same compartment as your BT100 Smart Probe or any of its accessories.
- f. Never attempt to disassemble. If service or repair is required, return the device to an authorized **Sendum** service center.
- g. Do not incinerate. Never attempt to dispose of your device by throwing it into a fire.
- h. Do not subject product to prolonged heat or high temperatures. This can cause heat damage to the plastic components, the electronic components, and the battery.
- i. Never use harsh chemicals, cleaning solvents, or strong detergents to clean your device.

Product Contains a Lithium Battery

The lithium-ion battery used in the BT100 Smart Probe is in compliance with IATA Dangerous Goods Regulations, Packing Instruction 967.

FCC Compliance



Nearly every electronic device is susceptible to RF energy interference from external sources if inadequately shielded, designed, or otherwise configured.

This product complies with Part 15 Class B 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.



Sendum (the “Grantee”) is not responsible for any changes or modifications not expressly approved by Sendum for compliance. Such modifications could void the user’s authority to operate the equipment.

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

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

This transmitter must not be co-located or operating in conjunction with any other antenna or transmitter.

NOTE: 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

This device complies with Industry Canada’s license exempt RSSs. Operation is subject to the following two conditions:

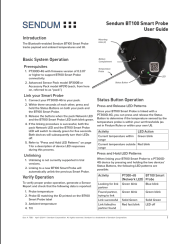
1. This device may not cause interference; and
2. This device must accept any interference, including interference that may cause undesired operation of the device.

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Documents / Resources



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TS5BT100, PT300D, SP300B, AP310, BT100 Smart Probe, BT100, Smart Probe, Probe

References

- [!\[\]\(fd4127b9e2af37bd6ea0fa06afa8e6d8_img.jpg\) **Sendum – Real-time Advanced Therapy Visibility Solutions**](#)
- [**User Manual**](#)

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