Standard waste container profile for TRACK 1100

This is the standard usage profile of a tracker attached to a waste container.
This profile guarantees the optimal way to capture the real behaviour of a waste container in a power efficient way.

Profile name: WASTE CONTAINER STANDARD TRACK 1100

When and how does the tracker determine and send location updates?

| START | MOVING | STOP | + | PERIODIC |

GPS

A location is captured when the asset **starts** moving.

No location is captured when the asset is moving.

GPS

A location is captured when the asset **stops moving.**

GPS

A location is captured every **24 hours**.

WHEN are locations determined?

Locations are captured based on the **motion pattern** of your waste container. This means when the tracker detects your asset started or stopped moving it will capture the location. Next to this, the tracker also captures a location every 24 hours. This is called a **periodic location** capture.

For every parameter a default setting is selected. Other settings can be chosen if needed for your asset tracking solution.

Parameter	Default	Other available settings
When is a start detected?	Low start sensitivity: A start is detected when the asset moved in at least 3 consecutive slots of 20 seconds.	Very low start sensitivity: Asset has moved in at least 15 consecutive slots of 20 seconds.
Are locations captured while moving?	No, locations are not captured while moving.	Yes, • Every 10 minutes • Every 20 minutes • Every 40 minutes • Every hour • Every 3 hours
When is a stop detected?	A stop is detected when the asset has not moved for at least 30 minutes.	A stop is detected when the asset has not moved for • at least 5 minutes • at least 10 minutes • at least 1 hour
Periodic location capture	Every 24 hours	• Off • Every 12 hours • Every 48 hours
Scheduled location capture	Off	• Every day at 12 PM GMT

HOW are locations determined?

By default the tracker only scans for GPS signals. **Optionally, geobeacon or/and Wi-Fi localization** can be used as fallback when the tracker fails to capture a location via GPS.

Parameter	Default	Other available settings
Localization technologies	GPS only	• Scan for geobeacon on stop and periodic first. If no geobeacon is found, make a GPS fix. • GPS with Wi-Fi [2] fallback. Wi-Fi fallback only happens on stop, not while moving.
GPS precision (CEP)	25 meters	4 meters [1]

WHICH additional sensor information is measured?

Optionally, the tracker can detect when a container is emptied. This requires correct installation of the tracker.

Parameter	Default	Other available settings
Detection when container is emptied based on orientation.	Off	On

HOW and WHEN are locations and sensor information sent to the Sensolus platform?

Captured locations and sensor information are **sent live to the Sensolus platform.** Sensolus patented **data integrity algorithm** to prevent data loss is enabled by default.

Other parameters

Parameter	Default	Other available settings
BLE advertisments to make your tracker visible to smartphones and zone anchors.	Off	On
Anti-tamper functionality based on orientation.	Off	On

[1] In 80% of the cases
[2] Comes with an extra cost

Want a customized tracker usage profile?
Contact Sensolus sales.