

S1

Iridium™ tracking device

S1 is a Iridium satellite tracking device that supports coverage from any given position on the globe.

It is built on advanced and intelligent sensor technology in a smart design with features including long battery life, easy installation and robust casing.



Iridium™



Position



Temperature

IP69k

IP-rating



Battery



Radio Beacon



The S1 tracking device and data logger is designed for tracking in the harshest environments and is ideal for businesses that operate outside urban areas without GSM coverage.

S1 connects to the Iridium™ Global Network; the furthest reaching and most reliable mobile satellite communications network in the world. It truly connects everywhere under one sky from pole to pole.

Furthermore, the IP69k-rated moulded device is functional in all weather conditions in temperatures ranging from -30°C to +85°C.

This enables more advanced operations, like tracking of sea vessels, endangered species, expeditions, military operations or air transport.

S1 transmits data to the cloud-based management software, Trusted Visibility Suite™, that provides complete visibility and predictive analytics. Third party application can be implemented via our API.

The battery life depends on the numbers of recorded positions and reports the S1 sends to the server. The optimal tracking of sea vessels of 1 position every hour and 1 report per day will typically provide a battery life of 8 years. A setting of 2 positions and 2 reports per day however will typically result in a battery life of 10 years.

Devices are easy and quick to install and can be fastened to assets with 3M double-sided adhesive tape, two 4 mm cylinder head screws and bushings, or with strong magnets. For close range location, the built-in UHF radio beacon can be activated.

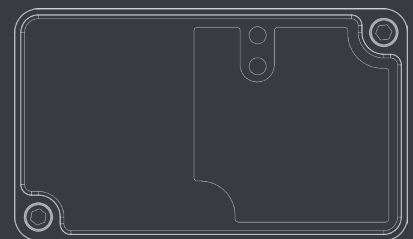
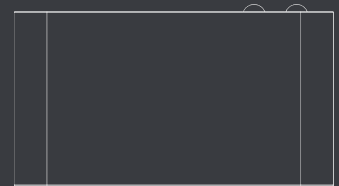
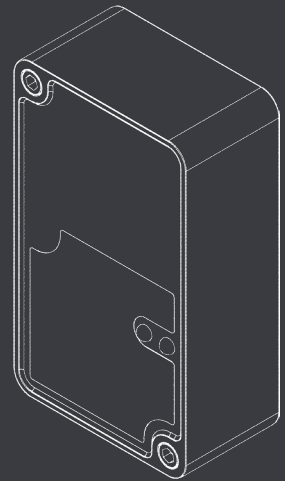
Specifications

Battery lifetime	Depending on numbers of positions and reports per day.*
Positions/reports	1 to 24/day
Sensors	Position and Temperature
Network technology	GPS and Iridium cell
Antenna, Iridium™	Internal
Antenna, GPS	Internal
Antenna, radio	Internal
Radio beacon	434 MHz
SIM	Embedded, subscription required
SBD data	Subscription required
Temperature, operating	-30°C to +85°C
Temperature, storage	-40°C to +85°C
Housing	PA6 (nylon) potted with epoxy
Dimensions	112 x 68 x 39 mm
Weight	420 g
IP rating	IP69k
Battery package	94 Wh (2 x primary lithium, encapsulated)
Lithium content	7,6 gram
HS (TARIC export) code	8526912020

Typical life time*

1 position every hour and 1 report per day	70.000 positions	2900 reports	Typical 8 years
1 position every 12 hours and 1 report every 12 hours	8.000 positions	8000 reports	Typical 10 years
1 position every 24 hours and 1 report every 24 hours	7.000 positions	7.000 reports	Typical +15 years

* Depending on signal and temperature conditions



Version 5.2 - Subject to change without notice.
This data sheet references to firmware 3.04 or newer.