

# 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



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 Data Portal, 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 transmissions the S1 sends to the server. The optimal tracking of sea vessels of 1 position every hour and 1 transmission per day will typically provide a battery life of 8 years. A setting of 2 positions and 2 transmissions 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.

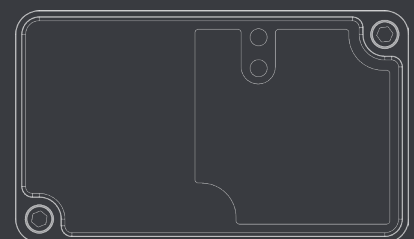
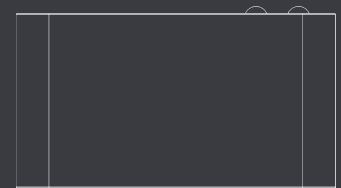
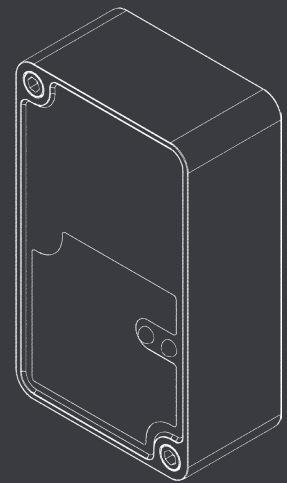
## Specifications

Type: S1	
Battery lifetime	Depending on numbers of positions and transmissions per day.*
Positions/transmissions	1 to 24/day
Sensors	Position and Temperature
Network technology	GPS and Iridium cell
Antenna, Iridium™	Internal
Antenna, GPS	Internal
Antenna, radio	Internal
SIM	Embedded, subscription required
SBD data	Subscription required
Temperature, operating	-30°C to +85°C
Temperature, storage	+30 °C max (recommended)
Housing	PA6 (nylon) potted with epoxy
IP rating	IP69k
Maximum allowed continuous acceleration	8 g
Dimensions	112 x 68 x 44 mm
Weight	425 g
Battery package	94 Wh (primary lithium, encapsulated)
Lithium content	7,6 gram
HS (TARIC export) code	8526912020
Country of origin	Made in Denmark

## Typical life time\*

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

\* Depending on signal and temperature conditions



Version 6.0 - Subject to change without notice.  
This data sheet references to firmware 3.54 or newer.