

S1

Iridium™ tracking device

S1 is a Iridium satellite tracking device for long-term tracking that supports true global coverage. It is built on advanced and intelligent technology in a smart design with features including long battery life, easy installation, robust enclosure.

Iridium™

Coverage



Position



Temperature

IP69k

IP-rating



Battery



Radio Beacon



S1 is designed for tracking in the harshest environments and is ideal for businesses that operate outside urban areas without GSM coverage. Iridium™ is the only global network - it communicates with 55 satellites. S1 is intended for tracking vessels, endangered species, expeditions, military operations, and air transport.

The battery life depends on numbers of recorded positions and reports the S1 sends to the server, Trusted Visibility Suite™. For example, for tracking vessels, it will be optimal to set it up to record 1 position every hour and 1 reports per day. This will typically provide a battery life on 8 years. Another set up could be 2 positions per day and 2 reports per day. This will typically give a battery life on 10 years.

S1 is an IP69k-rated moulded construction and can be used in all weather conditions in temperatures ranging from -30°C to +85°C.

It is easy and quick to install and can be fastened to assets with the 3M adhesive foam tape, with two 4 mm cylinder head screws and bushings or with magnets.

For close range location, the built-in UHF radio beacon can be activated.

S1 transmits data to a cloud-based management software that provides complete visibility and predictive analytics. Third party application can be implemented via our API.

Specifications

Battery life time	Depending on numbers of positions and reports per day.*
Battery type	Primary lithium, 24 Ah, built-in, encapsulated
Positions/reports	1 to 24/day
Temperature, operating	-30°C to +85°C
Temperature, storage	-40°C to +85°C
Position technology	GPS and Iridium cell
Radio beacon	434 MHz, up to 100 mW
Sensors	Position and Temperature,
Antenna, Iridium™	Internal
Antenna, GPS	Internal
Antenna, radio	Internal
Dimensions	115 x 68 x 39 mm
Weight	420 g
IP rating	IP69k
SIM	Embedded, subscription required
Enclosure	PA6 (nylon) w. glass + epoxy
SBD data	Subscription required

Typical lifetime*

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

Depending on signal and temperature conditions

