



Satellite Trackers

iceST/40-Glacier, iceST-B/40-Glacier

Functionality

Long-term monitoring of motion parameters for the slowly moving ice formations (for example, glaciers), temperature and atmospheric pressure measurements with data transmission through satellite.

Sensors

Position data (GPS/Glonass)

GNSS receiver	GlobalTop Titan3
Range	
latitude	±90°
longitude	0 to 360°
Accuracy (with processing algorithm)	
latitude	+/- 0.000005°
longitude	+/- 0.000008°
Resolution	0.000001°

Temperature

Range	-40 to +60°C
Accuracy	+/- 0.5°C
Resolution	0.2°C

Air pressure (iceST-B/40-Glacier)

Range	850 to 1050 hPa
Accuracy	+/- 2 hPa
Resolution	0.1 hPa

Measurement interval

weekly

Sensors activation

every Sunday

Measurement duration

1 day

Communication

Satellite system Argos or Iridium

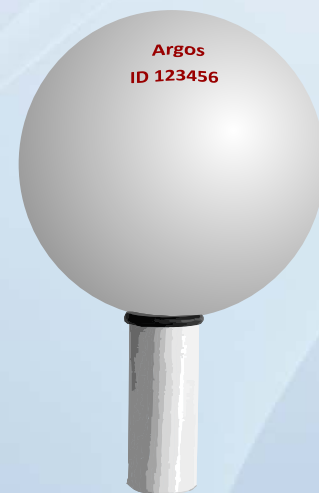
Operation

Environment temperature	-30°C to 50°C
Lifetime	12 month at least

Construction

Battery	alkaline
Activation switch	removable magnet
Hull	
Body	fiberglass plastic
Colour	white
Diameter	41 cm
Weight	16 kg
Fixation on the ice	rod length 26 cm, diameter 10 cm

iceST/40-Glacier



iceST-B/40-Glacier



With air pressure sensor

