



Satellite Trackers

iceST/20, iceST/20F, iceST/20P, iceST-B/20

Functionality

Real-time monitoring of natural sea ice (icebergs, ice fields) flow movement in open water with temperature and air pressure measurements. Satellite telemetry system is used for tracking and data transfer.

Sensors

Position data (GPS/Glonass)

GNSS receiver GlobalTop Titan3

Temperature

Range -30°C to 10°C

Accuracy +/- 0.5°C

Resolution 0.08°C

Air pressure (iceST-B/20)

Range 850 to 1050 hPa

Accuracy +/- 2 hPa

Resolution 0.1 hPa

Measurement interval

hourly

Sensors activation

at round hours

Communication

Satellite system Argos (Iridium available upon request)

Operation

Environment temperature -30°C to 50°C

Lifetime 100 days at least

Construction

Battery lithium

Activation switch removable magnet

Hull

Body fiberglass plastic

Color white

Diameter 20 cm

Height 40 cm (iceST/20F)

44 cm (iceST-B/20F)

Mass 3 kg

Tracker in parachute package (iceST/20P)

Dimension 65×30×25 cm

Weight 8 kg

Fixation on ice

(except iceST/20P) removable rod length 45 cm, diameter 3.5 cm

iceST/20

Keeps on operation after drop into water



iceST/20F

Stops operation after drop into water



iceST/20P

With parachute package to air deployment



iceST-B/20

With air pressure sensor. Stops operation after drop into water

