



Oceanetic Measurement Ltd. manufactures ice-tracking instruments and a through-ice temperature profiler, all of which report ice position and movement in near real-time. Internal sensors provide information regarding instrument status and battery condition. Sample rates and device reporting intervals can be remotely programmed to vary operating durations. Oceanetic offers our IceDrift trackers and IceTemp profiler clients data aggregation services for their data such as data logging, processing & hosting. All Oceanetic instruments are designed to endure long deployments in harsh arctic and antarctic conditions.



Dimensions: 50 cm tall X 60 cm diameter

Deployment: Directly onto ice surface

Weight: 23 Kg

Housing: Polypropylene housing & tie-downs / handles

Temperature operating range: -40C to +40C

Batteries

- 9.6 Volt alkaline, 150 AH
- Field replaceable.
- 2.5 years typical battery life @10 min. sample rate in Arctic conditions

Power consumption

- Standby: 130 uA
- GPS on: 40 mA
- Iridium Transmit: 125 mA

Position accuracy: < 5 metres (50%), < 8 metres (90%)

Sample rate: remotely programmable increments (5min. - 24 hr.)

Data format:

- Packed binary
- 39 byte packet holds 6 positions and timestamps
- transmitted once per 6 position samples
- Includes timestamp, latitude, longitude, GPS HDOP, board temperature, battery voltage, tilt angle, leak detector status

Data transmission:

- Iridium satellite, data delivery by email attachment
- Custom data processing services available
- All received data backed up at Oceanetic Measurement