

Ice Buoy Maxi

PV800



The only ice proof tested buoy in the market

Ice Buoy Maxi PV800 has proven track record of successfully being used in arctic areas. It provides robustness and conspicuity that is equal to conventional steel buoys, but much more maintenance-free years.

PV800 is normally moored with taut chain which gives superior accuracy for the buoy location. Taut mooring is also advantageous when considering the survival among the ice.

The buoy can be equipped with any ice lantern and primary battery in the market. Additional instrumentation and sensors of any kind can be encapsulated inside the buoy body.

For tidal areas we recommend the use of Offshore Buoy VPU800 which is similar type of buoy but deployed conventionally with slack chain.



Area of use

Rough arctic sea areas
Narrow channels
Smart Buoy solutions
Platform for various use

Specifications

*) can be adjusted according to customer needs

| | | | |
|----------------------------|----------------------|------------------------|-------------------------------------|
| Overall length *) | 10.2 m | Retro-reflector | 380 cm ² (3M diamond) |
| Diameter | 800 mm | Radar reflector | Trihedral TH800 |
| Draft *) | 6.2 m | Radar cross area RCS | 124 m ² (X-band) |
| Wall thickness | 30 mm | Surface color | IALA-E108 |
| Polyethylene material | HD 100 extruded pipe | Color and UV stability | 26 years (lat. 50) on main surfaces |
| Polystyrene filling | EPS 150 closed shell | Mooring sinker weight | 10 - 15 ton |
| Dry weight without ballast | 1192 kg | Maximum current | 2 kn |
| Chain load at MSL | 1454 kg | Maximum wave height | 6 m (significant) |
| Buoyancy at MSL | 2646 kg | Lantern *) | Sabik as default |
| Focal plane at MSL *) | 4.0 m | Battery capacity *) | 220 or 1000 Ah |
| Nautical conspicuity | 4 NM | Top Mark | Optional |

We can customize the buoys for your needs

