

# SB-2.2

## Sentinel® Buoy



TIDELAND ENGINEERED

The SB-2.2 is Tideland's latest addition to its range of buoy products. With over 57 years of experience, Tideland is able to offer varying solutions for specific customer requirements. This unique buoy utilises the latest materials in float construction. The design is rugged with exceptional performance and is designed for minimal maintenance and long life.

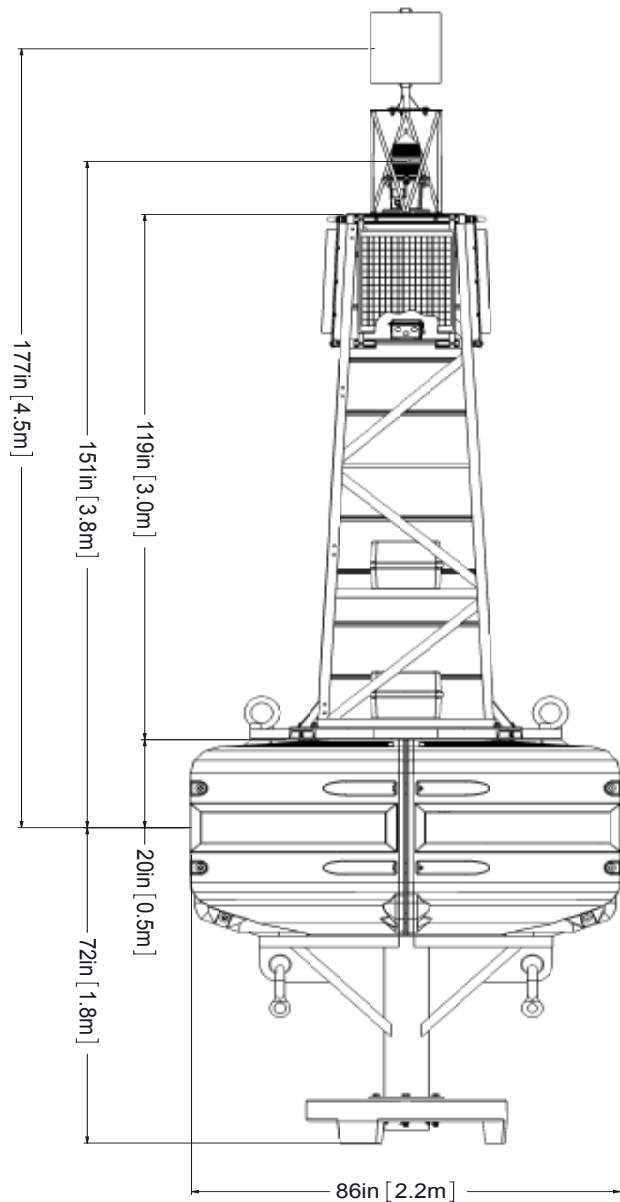
### FEATURES

- **TOUGH POLYETHYLENE** float sections form the heart of the buoy. Colour pigment is compounded into virgin polyethylene which is further enhanced by Tideland's unique, UV15 stabilizer. Results are outstanding in terms of colour retention and physical strength that resists damage. Unique mould design and control process ensure a homogeneous profile with an increased thickness in high stress areas. This polyethylene also assists in repelling marine growth.
- **A SINGLE COUNTER WEIGHT** manufactured from cast steel, is fixed to the base by a strong, yet simple, technique. This allows counterweight attachment within minutes during buoy deployment.
- **HULL FRAME** is manufactured from galvanized steel and is fitted with two lifting eyes and two mooring eyes. The design allows each of the hull sections to be easily fitted and quickly replaced if damaged. As an option, the hull frame is also available in stainless steel.



SB 2.2 pictured above

- **TOP SUPERSTRUCTURE** comprises a simple galvanized frame with an integral ladder, man guard and support plate for lanterns and lantern guards. There are also pre-designed holes for mounting solar panels and battery boxes in the base. Options include painting the superstructure to match hull float sections, as well as a stainless steel version.
- **OPTIONS:** Day marks, top marks, solar panels, battery box and battery pack, AIS AtoN, RACON, along with a buoy monitoring system utilising VHF, GSM, or Satellite communication links.



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## SPECIFICATIONS

Diameter	86 in (2200 mm)
Foam Filling	2 lbs/ft <sup>3</sup> (32 kg/m <sup>3</sup> )
Tower Height	119 in (3023 mm)
Nominal Freeboard	20 in (508 mm)
Draft	72 in (1828 mm)
Nominal Focal Plane Height	151 in (3842 mm)
Optional Extended Focal Plain	177 in (4500 mm)
Construction	Rotationally moulded polyethylene for float sections and galvanized frame in two sections (hull and superstructure)
Visual Area	38.75 ft <sup>3</sup> (3.6 m <sup>3</sup> )
Air Weight	4,322 lb (1,960 kg)
Submergence	215 lbs/in (38.4 kg/cm)
Radar Reflector	10m <sup>2</sup> (X-band)
Radar Range, Nominal	3 to 4 Nm
Colour	As Specified ( All IALA colours available )
Maximum Mooring Load	5,163 lbs (2,342 kg)
Maximum Current	6 Knots



ISO 9001:2008  
 Certificate  
 Number: 30061

ISO 9001:2008

Tideland Signal Corporation maintains ISO 9001:2008 accreditation. It is company policy to provide products and services that meet the highest standards of quality in the industry.

### Membership Organizations



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