



PMP-1800 ROTATIONALLY MOLDED BUOY

PMAPI's comprehensive range of IALA compliant light buoys includes the PM-1800. The PM-1800 has won worldwide acceptance as an effective yet inexpensive light buoy for marking channels or hazards. The robust construction of the buoy enables it to withstand minor knocks and collisions without damage. The design and construction of the buoy has been based on proven experience in the supply of buoys all over the world.

Features

- Made of rotationally molded Polyethylene which combines the advantages of low weight, great strength and easy maintenance
- Closed cell foam filling gives extra rigidity and also makes it virtually unsinkable
- 4 lifting eyes and 2 or 4 mooring eyes
- All steelwork is stainless steel grade AISI 316
- Skirt keel allows buoy to be used in shallow waters and can also be stood upright on the deck of a maintenance vessel
- Slotted configuration reduces underwater pressure and forces, causing lateral pull vortices in fast currents
- Batteries contained in an easily accessible watertight compartment in upper part of buoy
- Below waterline, buoy is ballasted to ensure stability
- UV-stabilized
- Available in Red, Green, Black or Yellow
- Available with topmarks or daymarks
- Exceptionally easy to handle
- Can be fitted with various electric lanterns
- Up to 4 solar panels (10-80 Watts each) can be fitted flush to the buoy tower with bird scarers
- Wireless synchronization of buoy pairs or all buoys in a channel is available; ripple effects down a channel, etc., can be created



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SPECIFICATIONS

Diameter:	1750 mm (5.74')
Height (Excluding Accessories):	2800 mm (9.18')
Focal Plane Height**:	3600 mm (11.8')
Height to Lantern Base (Above Water Line):	2370 mm (7.78')
Draft:	430 mm (1.41')
Freeboard:	820 mm (2.69')
Submergence:	2.48kg/mm
Visual Area (Without Daymarks):	1.76m ² (18.94 ft. ²)
Visual Area (With Daymarks):	3.6m ² (38.75 ft. ²)
Weight (Buoy Only):	400kg (881.85 lbs.)
Weight (Including Radar Reflector, Lantern & 2 Batteries):	470kg (1036.17 lbs.)
Maximum Current:	6 Knots
Available Colors:	Red, Green, Yellow or Black (To IALA Standards)
Material (Plastic):	RG7243
Material (Stainless Steel):	AISI 316
Foam Filling:	Polyurethane; (Polystyrene on Request)
Buoy Body Thickness:	0.37" (9.5mm)
Maximum Water Depth (Using 12mm Moorings):	12mm chain = 100m 25mm chain = 28m
Metacentric Height with 60kg:	0.67m
Minimum Natural Roll Period:	2.5 sec

*Specifications subject to change without notice.

**Using octahedral radar reflector and 155mm lantern; optional 700mm extension to increase focal plane.

