



OMC-7006 Observator data-buoy (release date Nov. 2010)

The OMC-7006 data-buoy is the new data-buoy based on the design of the earlier OMC-045-B data-buoys. This buoy is ideal for water environmental monitoring projects. Mostly these buoys are used near dredging sites to monitor the impact of the dredging activities.

The heart of the OMC-7006 is the OMC-045-III GPRS Logger. This is a flexible data logger provided with several analogue, serial and digital inputs. The OMC-045 is ideal to be used within such applications since it is a low power data logger.

The data logger has a build in GPS receiver as well as a temperature and humidity sensor. This means it is very easy to track the buoy and monitor the climate in the electronic compartment.

Features

- SMS alarm function on all parameters.
- Data send using FTP or email over GPRS.
- Using radio or satellite communication as an option.
- Event controlled logging interval.
- Suitable to be used with all YSI-6-series sondes (max. 4 sondes on the data logger).
- Suitable to be used with the Mc Van Analite probes
- Suitable to be used with the INW Smart sensors.
- 1 or 2, 12 Volt 12 aH batteries.
- Solar powered.
- Surge protection installed.
- External Marine GPRS antenna.
- GPS included.
- Easy access to sensors.
- Watertight equipment compartment as well as sensors can be removed/maintained very easy without getting the buoy out of the water.
- Ideal for monitoring near coastal sites and rivers.
- Simple configuration software.



OMC-045-III installed



Easy accessible equipment

Optional

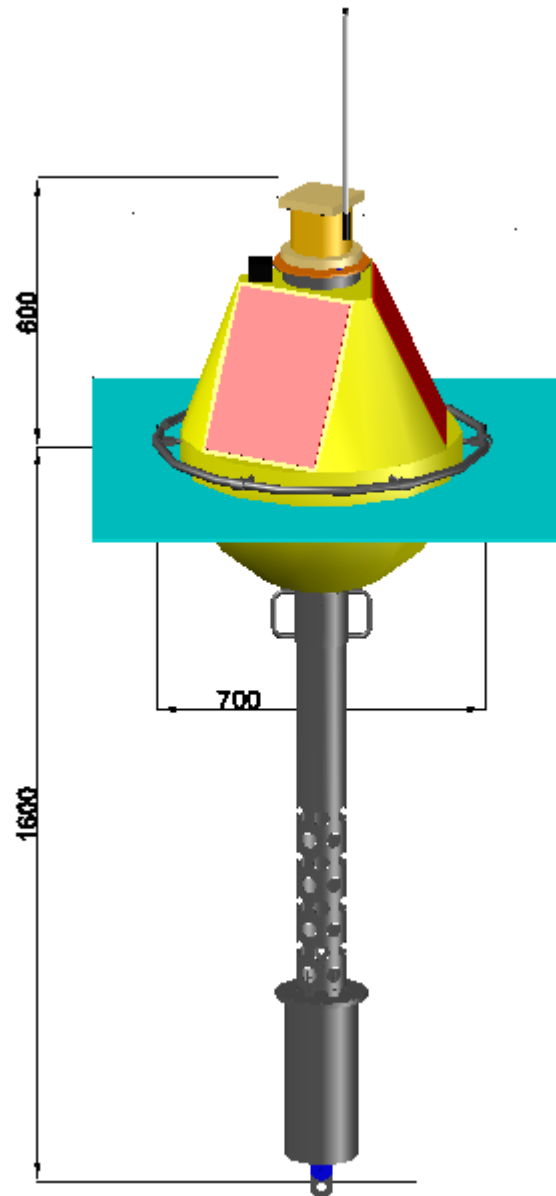
- Two batteries instead of one (12 Volt, 12 Ah) and larger battery compartment
- Mooring set.
- Radio or Satellite communication module.

Environmental

- Operating temperature -5 to 60 deg. C.
- Moisture protection IP68
- Humidity 5 to 100%

Dimensions

- Diam. 60 cm (with protection ring installed 70 cm)
- Height above water 0.60 m. antenna not included
- Height over all 2.20 meters incl. Antenna.
- Max depth under water 1-30 to 1.60 meters
- Total weight in air app. 45 kG.



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