



OMC-7006

Observator data-buoy

(Also available for rental)

The OMC-7006 data-buoy is ideal for environmental monitoring projects. It is specifically designed for the measurement of hydrological parameters in lakes, rivers, estuaries and coastal zones. The OMC-7006 is often used near dredging sites to monitor the impact of the dredging activities. Its bigger brother, the OMC-7012, can also support meteorological sensors.

The OMC-7006 is equipped with the OMC-045-III data logger, which has proven itself in many applications. This logger contains integrated GPS and GPRS, and can be interfaced to radio and satellite modems. The OMC-045-III supports several analogue and digital inputs for communication with the sensors. This allows the logger to be connected to almost any water quality sensor on the market.

The electronics and underwater sensors can easily be removed for maintenance, without taking the buoy out of the water.

Features

- Integrated data logger with:
 - GPS and GPRS (data communication via the mobile phone network).
 - SMS alarm function on all parameters.
 - Event controlled logging interval.
 - Optional radio or satellite modems.
 - Easy to use configuration software.
- Solar powered, one or two 12 Volt 12 Ah batteries.
- Programmable signal light.
- External Marine GPRS antenna.
- Prepared for hydrological sensors from YSI, INW, McVan. Flexible enough to support many more brands.
- Easy access to sensors and electronics without removing the buoy from the water.
- Seamless interface to our advanced OMC-DataOnline data management and presentation software.



The OMC-7006 data buoy.



The contents of the water-tight container. The OMC-045-III logger is clearly visible.



The water-tight container slides from the top into the buoy



The OMC-045 with optional Iridium modem

Your benefit

The OMC-7006 is a well-proven and complete measurement station. The water quality sensors are integrated by Observator on your specification. This allows for maximum flexibility in the parameters to be measured. The buoy itself, with the solar panels, the batteries, the logger with GPRS and GPS, the signal light and the antenna's, is a standard product that is deliverable on short notice. It is also available for rental.

Optional

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

More information

Contact Observator to specify your requirements and to get a quotation.

Separate data sheets are available from the Observator website:

- OMC-7012 data buoy.
- OMC-045-III data logger.
- OMC-DOL data processing and presentation SW.
- Water quality sensors.



Rietdekkerstraat 6
2984 BM Ridderkerk

P.O. Box 60
2980 AB Ridderkerk
The Netherlands

Phone +31 (0)180 463 411
Telefax +31 (0)180 463 530
E-mail info@observator.com
www.observator.com

Dimensions

- Diam. 60 cm (with protection ring installed 70 cm).
- Height above water 0.60 m, excluding antenna.
- Height over all 2.20 meters incl. antenna.
- Total weight in air: 45 kg (excluding sensors).

