



OMC-7006 data buoy



The contents of the water-tight container. The water-tight container slides from the top into the buoy.

Datasheet

OMC-7006 Data Buoy

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-048 data logger, which has proven itself in many applications. This logger contains an integrated GPRS/3G/4G modem. It can also be interfaced to radio and satellite modems. The OMC-048 supports several analogue and digital inputs for communication with 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

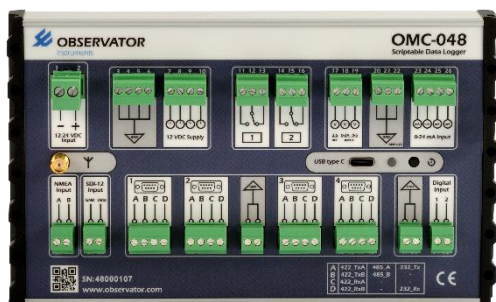
- GPRS/3G/4G (data communication via the cellular network).
- Integrated GPS (GNSS).
- Optional radio or satellite modems.
- Easy to use configuration software.
- Solar powered, one or two 12 Volt 12 Ah batteries.
- Programmable signal light.
- External marine GPRS/3G/4G antenna.
- Prepared for hydrological sensors from Observator, Xylem/YSI and many more.
- 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.

Your benefit

The OMC-7006 is a well-proven and complete measurement station. The water quality sensors are integrated by Observer 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/3G/4G and GPS, the signal light and the antenna's, is a standard product that is deliverable on short notice.

Optional

- Mooring set
- Radio or satellite communication module
- Iridium modem



More information

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

Separate data sheets are available at the Observer website:

- OMC-7012 data buoy
- OMC-048 data logger
- OMC-DOL data processing and presentation SW
- Water quality sensors

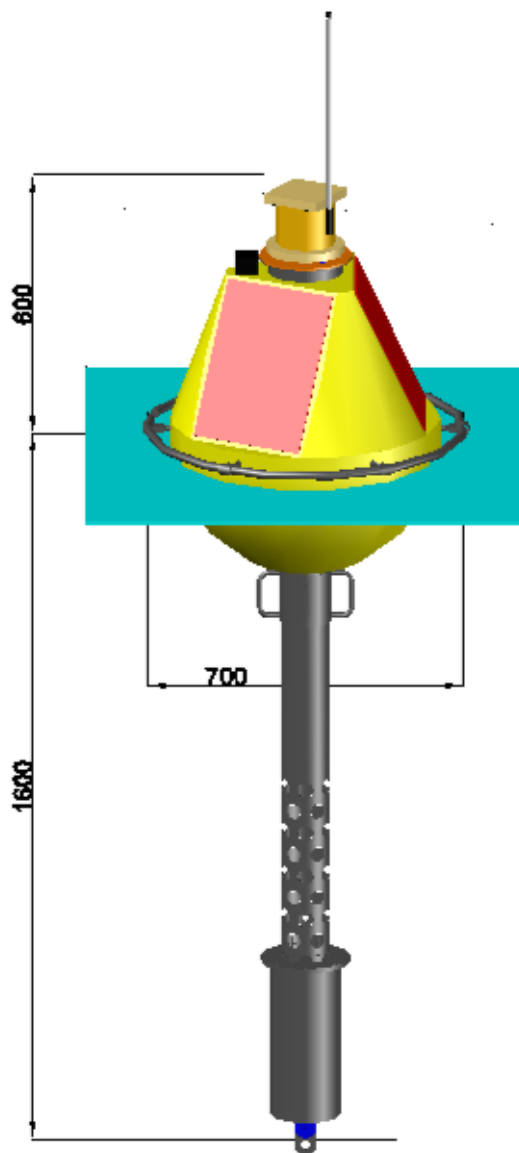
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Solutions beyond expectations. That's what sets Observer apart. We believe in taking the extra step. Retaining our competitive edge, through innovation and uncompromised support, are key to success. As an ISO 9001:2015 certified company, we apply the highest quality standards to our products and systems.

Since 1924 Observer has evolved to be a trend-setting developer and supplier in a wide variety of industries. From instruments for meteorological and hydrological solutions, air and climate technology, to high precision mechanical production, window wipers and sunscreens for shipping and inland applications.

Dimensions

- Diameter: 60 cm, with protection ring installed: 70 cm
- Height above water: 0.60 m, excluding antenna
- Height overall: 2.20 m, including antenna
- Total weight in air: 45 kg, excluding sensors



Solutions beyond expectations

Originating from the Netherlands, Observer has grown into an internationally oriented company with a worldwide distribution network and offices in Australia, Germany, the Netherlands, Singapore and the United Kingdom.

www.observator.com