



OMC-7012 data buoy, typical configuration

Datasheet

OMC-7012 Data-Buoy

The OMC-7012 data-buoy is specifically designed for the measurement of meteorological and hydrological parameters in lakes, rivers, estuaries and coastal zones. It is the bigger brother of the popular OMC-7006. Both buoys are intensively used for environmental monitoring. Many dredging companies use them for monitoring the impact of their dredging activities.

The OMC-7012 is bigger than the OMC-7006 and is able to support meteorological sensors as well as hydrological sensors. Also, the OMC-7012 can carry more weight, supply more power to the sensors, and can operate in rougher conditions than the OMC-7006. The OMC-7012 is equipped with the OMC-048 data logger, which is also used in the OMC-7006. This logger contains an integrated GPRS/3G/4G modem. It can also be interfaced to radio and satellite modems.

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, various panel and battery options.
- 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-7012 is a well-proven and complete measurement station. The water quality and meteorological 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/3G/4G and GPS, the signal light and the antenna's, is a standard product with several options.

Optional

- Additional batteries. Standard 2 times 12 Volt, 12 Ah.
- Additional solar panels. Standard 2 times 20 Wp.
- Mooring set.
- Radio or Satellite communication module.
- Extended deployment tube. The standard tube ends above the ballast weights.
- Radar reflector.
- AIS transmitter.

More information

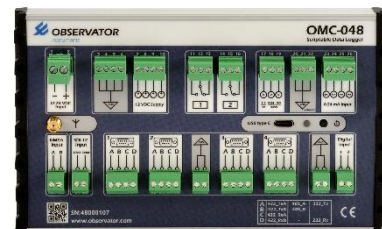
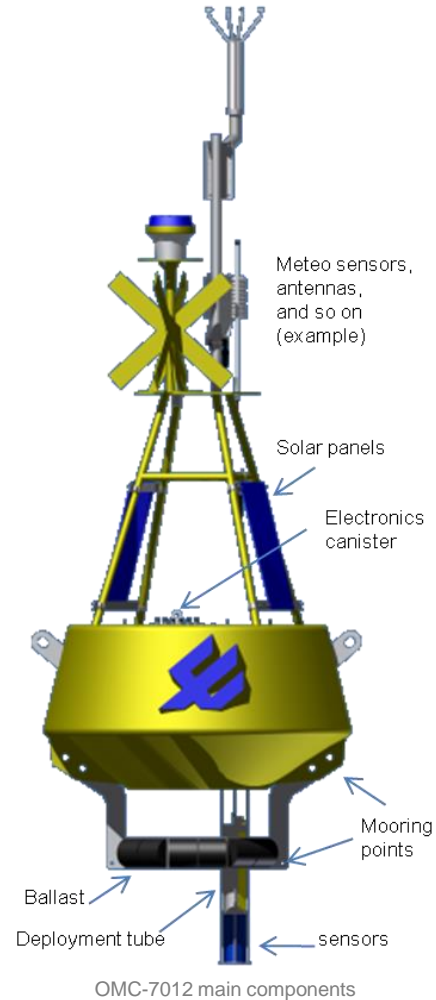
Contact Observator to specify your requirements and to get a quotation.

Separate data sheets are available from the Observator website:

- OMC-7006 data buoy.
- OMC-048 data logger.
- OMC-DOL data processing and presentation SW.
- Water quality sensors.

Dimensions

- Diameter 120 cm.
- Height above water 170 cm, excluding meteo sensors.
- Total weight in air: 175 kg, excluding sensors.



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oriented company with a worldwide distribution network and offices in Australia, Germany, the Netherlands, Singapore and the United Kingdom.

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