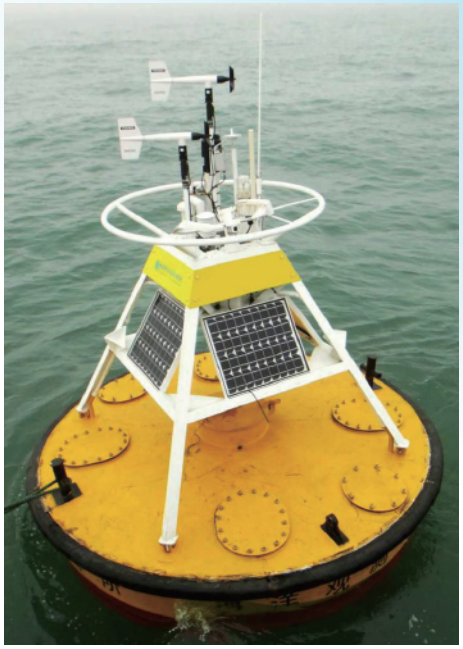
Ocean Environment Monitoring System

Ocean Environment Monitoring System (OEM system) is a newly developed system for the monitoring the ocean environment. It contains buoys, mooring system, solar power system, sensors and data collectors, GRPS/CDMA/satellite transmission devices, GPS, radar reflector and central lab monitoring system.

Buoys can be made of steel buoys or rotational-molded polyethylene buoys. Buoys size can be 1.8m, 2.4, 3.0m according to actually requirements.

Application areas:

- Lake, river, ocean environment monitoring.
- Pollution monitoring
- Water bloom monitoring
- Hydrology and water ecology monitoring



Sensors and specifications:

- Speed of wind (0-60m/s)
- Direction of wind (0-359 Deg)
- Temperature of air (-80-60 Deg C)
- Moisture of air (0-100%)
- Rain (0-50mm)
- Pressure of air (500-1100hPA)
- Radiation (0-2000 W/m2)
- Ph value (0-14)
- ORP (-1250 - +1250 mV)
- Dissolved oxygen (0-100%)
- Turbidity (0-50NTU / 0-1000 NTU)
- Chlorophyll (0.04-175ug/L)
- Nutrient salts
  - Ammonia nitrogen (0-4mg/L)
  - Nitrates (0-5mg/L)
  - Silicates (0-6ml/L)
  - Phosphates (0-1.5mg/L)
- Water conductivity (0-9S/M)
- Water temperature (-5 - 35 Deg C)
- Water depth (0-100m / 0-200m)
- Water fluorescence value (0-50ug/L)

Customers can choose above sensors according actual requirements.

Notes: Specifications could be changed without notice in advance.
Please consult local agency or manufacture for details or updates

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