JMX4008 Self-powered Multi-parameter Ecosonde

SELVFORSYNENDE ECOSONDE

Battery + SD · 200 m depth · 60 days continuous · Wi-Fi + RS-485 · IP68 · Marine monitoring · Underwater engineering · Marine ecology



Product Introduction

The JMX4008 powered multi-parameter ecosonde is designed for long-term unattended underwater monitoring, integrating multi-parameter measurement, self-powered supply and data storage in one unit. Featuring high-performance data acquisition and an efficient battery, it automatically samples at a preset frequency and records in-situ water-quality data. It is widely used in marine environmental monitoring, underwater engineering and marine ecology research.

Product Features

- Built-in battery and storage, no external power required — works independently once deployed, greatly reducing deployment complexity and O&M cost
- Large-capacity battery with low-power design, continuous operation >60 days at normal sampling — suitable for long-term unattended field monitoring
- Built-in SD-card storage saving up to 150,000 complete datasets, equivalent to 3+ years of continuous monitoring records
- Titanium-alloy housing, IP68 waterproof, 200 m pressure resistance
- Highly versatile — connects to multi-parameter sensors, plug-and-play, fast electrode installation and replacement

Product Structure

- Cable (waterproof connector)
- Removable handle
- Red / green indicator light
- One-piece molded titanium shell
- Semi-transparent protective cover / calibration cup
- Sensor ports (3 vertical slots)
- Deep-water aviation plug
- Data storage (SD card)
- Power & Wi-Fi switch
- Wi-Fi module
- Battery compartment (+ cover)
- Titanium-alloy shell (200 m rated)
- 6 same-specification sensors + 1 central cleaning brush

Product Specification

Parameter	JMX4008 Self-powered Multi-parameter Ecosonde
Max. depth	200 m
Dimensions	Φ84 mm × 316 mm
Operating temperature	-10 to 50 °C (non-freezing)
Output	Wi-Fi, RS-485, MODBUS protocol
Power supply	6 × D-cell batteries (built-in)
Storage	SD card
Data storage	Continuous >3 years
Measurement interval	Continuous or timed (selectable)
Protection class	IP68
Status alarms	Power, communication, cleaning-brush
Cable length	Waterproof connector, 5 m (default), customizable
Material	Titanium alloy + POM