CETIG · 华巽云科技投资控股集团 | 产品规格说明书 / Product Specification



AIS-MOB 落水示位标 HXY-A-01

AIS-MOB Man Overboard Beacon HXY-A-01

型号 SKU	HXY-A-01
产品类别	智能穿戴与定位终端 / Smart Wearable & Positioning Terminal
文档版本	V1.0 · 2026-10
语言	中文 / English（双语）

1. 产品概述 Product Overview

HXY-A-01 是一款口袋大小的 AIS-MOB（落水示位标），重量仅 150g，可挂在救生衣上或随身携带。一旦落水启动，设备即在 161.975MHz / 162.025MHz 两个 AIS 频道上发送 Message 1 与 Message 14 报文，周边 2 海里内的船舶与岸站可立即在雷达/AIS 屏幕上看到落水者位置。

The HXY-A-01 is a pocket-sized AIS-MOB (Man Overboard) beacon weighing just 150g — clip it to a life jacket or carry it on deck. Once activated in the water, it transmits AIS Message 1 and Message 14 on both 161.975MHz and 162.025MHz, so vessels and shore stations within 2 nautical miles see the casualty's position immediately on their AIS displays.

功耗≤1W，持续工作时间≥72 小时，-20~+60°C 工作温度与 IP67 防护等级确保恶劣海况下依然可靠，为搜救争取黄金时间。

With power draw of ≤1W it keeps transmitting for over 72 hours, and the -20~+60°C operating range with IP67 sealing keeps it working through rough seas — buying precious time for SAR.

2. 核心特点 Key Features

- **AIS 报警**：自动向周边船舶广播落水位置
  AIS alert: broadcasts MOB position to nearby vessels
- **轻若无物**：整机≤150g，可随身携带
  Feather-light: ≤150g, carry anywhere
- **超长待援**：持续工作≥72小时
  72h+ continuous transmission:
- **通讯可靠**：通讯范围≥2海里
  Reliable link: ≥2 nautical mile range
- **全天候**：-20~+60°C工作温度，IP67防护
  All-weather: -20~+60°C, IP67

3. 技术规格 Technical Specifications

工作频率 Operating Frequency	**161.975MHz 和 162.025MHz（161.975MHz & 162.025MHz）**
功耗 Power Draw	**≤1W**
AIS消息	

AIS Messages	**Message 1 和 Message 14（Message 1 & Message 14）**
通讯范围 Range	**≥2海里（≥2 nautical miles）**
持续工作时间 Operating Time	**≥72h**
使用环境温度 Operating Temperature	**-20~+60℃**
防护等级 Ingress Protection	**IP67**
重量 Weight	**≤150g**
外形尺寸 Dimensions	**(125×50×30)±0.5mm**

4. 应用场景 Applications

- 船员、作业人员与水上运动人员的个体落水防护
  Personal man-overboard protection for crews, offshore workers and water-sports users
- 与指挥平台联动的位置上报与落水报警
  Position reporting and man-overboard alarm linked to the command platform
- 渔政、海事、海警等执法执勤的日常穿戴配备
  Daily wear for fisheries, maritime and coast guard law-enforcement duties
- 水上景区、游艇、渔船等营运单位的安全合规配置
  Safety compliance equipment for water parks, yachts and fishing vessels

5. 包装与交付 Packaging & Delivery

包装方式 Packing	**采用瓦楞纸箱（或按需求木箱）包装，内衬防震材料，适配长途海运与空运。** **Packed in corrugated cartons (or wooden cases on request) with shock-absorbing lining, suitable for long-distance sea and air freight.**
交付内容 Delivery Contents	**主机 / 整套装备、标准配件、中文与英文说明书、合格证、保修卡。** **Main unit / complete set, standard accessories, Chinese and English manuals, certificate of conformity and warranty card.**
定制服务 Customisation	**支持 OEM / ODM、标识定制、包装定制与说明书本地化，可按项目需求配置。** **OEM / ODM, logo and packaging customisation and manual localisation are available to project requirements.**
质保与售后 Warranty & Service	**整机质保 12 个月（易损件除外），提供远程技术支持与备件供应。**

	12-month warranty for the main unit (consumable parts excluded), with remote technical support and spare-part supply.
认证文件 Certification	**可按需要提供现有认证及检测报告文件，具体以实际获证情况为准。** **Existing certificates and test reports can be provided on request; actual certification status prevails.**

说明：本说明书所列技术参数为典型值，实际交付产品的规格可能因配置或改进而略有差异，以最终确认的技术协议与交付实物为准。本文件不含价格信息，商务条款请另行咨询。
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