

HY1602数字测深系统内置嵌入式工控系统、实时热敏打印平台，实现了测深仪与计算机平台的完美结合，高度体现了测深仪操作与控制的数字智能化。整套系统全部采用测深软件自动控制测深，智能动态信号检测、识别和锁定跟踪，实时监测和控制测深全过程，保证了测深系统的高等级测深精度和可靠性。测深数据和图像实时显示、存储、同步打印图像，同时通过系统内部的数据传输到测量软件，并可接分显示器到操控台，实现测深与导航的双重功能，是目前国产最为先进和可靠的全数字双频测深系统，适用于江河、港航和海岸带等各种复杂水况下的水深测量工程。

海鹰 HY1602 PC平台 双频测深仪

主要特点

- 全球唯一一款双频双通道工作，双通道水深数据叠层显示
- 全球唯一一款同时具有模拟打印记录和数字记录的测深仪
- 采用208kHz和24kHz最佳工作频率
- TVG和AVG动态增益调节，增强抗干扰能力
- 低噪声接收、空间滤波，时间滤波调节
- 多串口通讯、可接GPS、涌浪补偿器等外设
- 高亮度液晶屏/超大可视角度
- 德国进口机箱设计新颖、美观、轻巧，便于携带安放
- 开放式的平台可安装国内外各款导航采集及后处理软件

技术参数

测深范围：0.5 ~ 300m@208kHz

1 ~ 2000m@24kHz

输出功率：200W@208kHz，500W@24kHz

精度：1cm±0.1%所测深度@208kHz

10cm±0.1%所测深度@24kHz

工作电源：24VDC或220VAC

功耗：100W

整机配置

- 记录器：400×200×310mm（尺寸）
17.5kg（重量）
- 换能器：20kg（重量）
15m（电缆长度，可按需定制）
- 测量杆：3节×1.5m
13kg（重量）

外部接口：2个RS232，4个USB2.0，

1个VGA，1个LAN

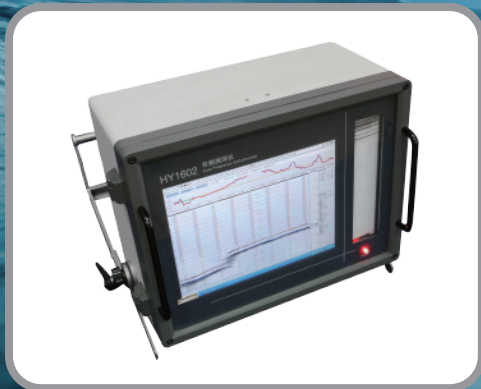
记录方式：大容量电子盘储存及热敏打印记录

平均连续无故障时间：1万小时

软件功能：声图显示、内外部定标、串口输入

输出数据、参数设置





The HY1602 is an all-in-one dual frequency echosounder system that can output both echogram and chart paper results simultaneously. It features digital signal processing and digital imaging technologies, embedded industrial control system and data acquisition software. The survey software can achieve functions of automatic sounding control, intelligent dynamic signal detection, identification, locked tracking and real-time monitoring, which ensures its high reliability and precision. The HY1602 is the most advanced and reliable single beam echosounder in Chinese market. It is extensively used for surveying in the river, lake, ocean and other complex conditions.

HY1602 Dual Frequency Echosounder

Features

- 24kHz/208 kHz dual frequency, double channels
- TVG and AVG dynamic adjustment, reinforced anti-jamming ability
- Low noise reception, space and time filter adjustment, locked tracking
- High speed USB interface, huge storage capacity
- Echogram output for real time display, storage, playback and printing
- Multi-ports Communications for GPS, motion sensors, etc.
- Available acquisition software like HYPACK, EIVA
- Compact and robust design, portable for transportation

Specifications

Frequency: 208 kHz/24kHz
Transducers Beam: $\leq 8^\circ$ @ 208 kHz;
 $\leq 20^\circ$ @ 24 kHz
Depth range: 0.5m-300m @ 208 kHz,
1m-2000m @ 24 kHz
Accuracy: $0.01\text{m} \pm 0.1\%$ @ 208 kHz ,
 $0.10\text{m} \pm 0.1\%$ @ 24 kHz
Output power: 200W @ 208 kHz,
500W @ 24 kHz
Power supply: 22-31V DC or 180-260V AC
Consumption power: 100W
Recording: Huge capacity storage,
thermal chart paper recording

Composition

- Recorder:
400×200×310mm (Dimension)
17.5kg (Weight)
- Transducer:
20kg (Weight)
15m (Cable length, customizable)
- Mounting pole:
• 3×1.5m (Dimension)
13kg (Weight)

