

HY1601数字测深系统融计算机技术、测深仪测量技术于一体。整套系统全部基于Windows 系统，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精度和可靠性。测深数据和图像可实时显示、存储、回放和打印，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。该数字测深系统、是目前国产最先进可靠的全数字测深系统，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 HY1601 PC平台单频测深仪

主要特点

- 兼容国内外各款导航采集及后处理软件
- TVG和AVG动态增益调节，增强抗干扰能力
- 低噪声接收，空间滤波和时间滤波调节
- 可兼容任何GPS、姿态传感器，涌浪仪的数据
- 高亮度液晶屏和超大可视角度
- 德国进口机箱设计轻巧坚固，便于携带安放

整机配置

- 记录器：400×130×310mm（尺寸）
12kg（重量）
- 换能器：Φ80×26mm（尺寸）
1.5kg（重量）
10m（电缆长度，可按需定制）
- 测量杆：3节×0.7m
5kg（重量）

技术参数

工作频率：208KHz

波束角：≤8°

测深范围：0.3 ~ 300m

精度：1cm±0.1%所测深度

电源：24VDC或220VAC

输出功率：200W

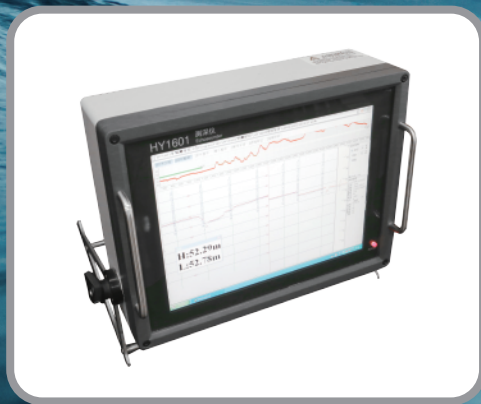
外部接口：2个RS232/4个USB/1个VGA/1个LAN

功耗：100W

记录方式：大容量电子盘储存

平均连续无故障时间：1万小时





The HY1601 is an all-in-one echosounder integrated with the computer system. 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. All the survey data and images can be displayed, stored, printed and transported to the survey software. The HY1601 is a perfect choice for surveying in the river, lake, ocean and other complex conditions.

HY1601 Digital Echosounder

Features

- Compatible with all types of acquisition and post-processing software like HYPACK, EIVA, etc.
- TVG and AVG dynamic adjustment, reinforced anti-jamming ability
- Low noise reception, space and time filter adjustment, locked tracking
- Multi-ports communications for GPS, motion sensors, etc.
- High speed USB interface, huge storage capacity
- Echogram output for real time display, storage, playback and printing
- Compact and robust design, portable for transportation

Specifications

Frequency: 208kHz
Beam angle: $\leq 8^\circ$
Depth range: 0.3m-300m
Accuracy: $\pm(0.01\text{m}+0.1\%\text{depth})$
Output power: 200W
Power supply: 24VDC or 220VAC
Interface: 2 × RS232, 4 × USB 2.0,
1 × VGA, 1 × LAN
Power consumption: 100W
Recording: huge capacity storage disk

Composition

- Recorder:
400×130×310mm (Dimension)
12kg (Weight)
- Transducer:
Φ80×26mm (Dimension)
1.5kg (Weight)
10m (Cable length, customizable)
- Mounting pole:
3×0.7m (Dimension)
5kg (Weight)

