

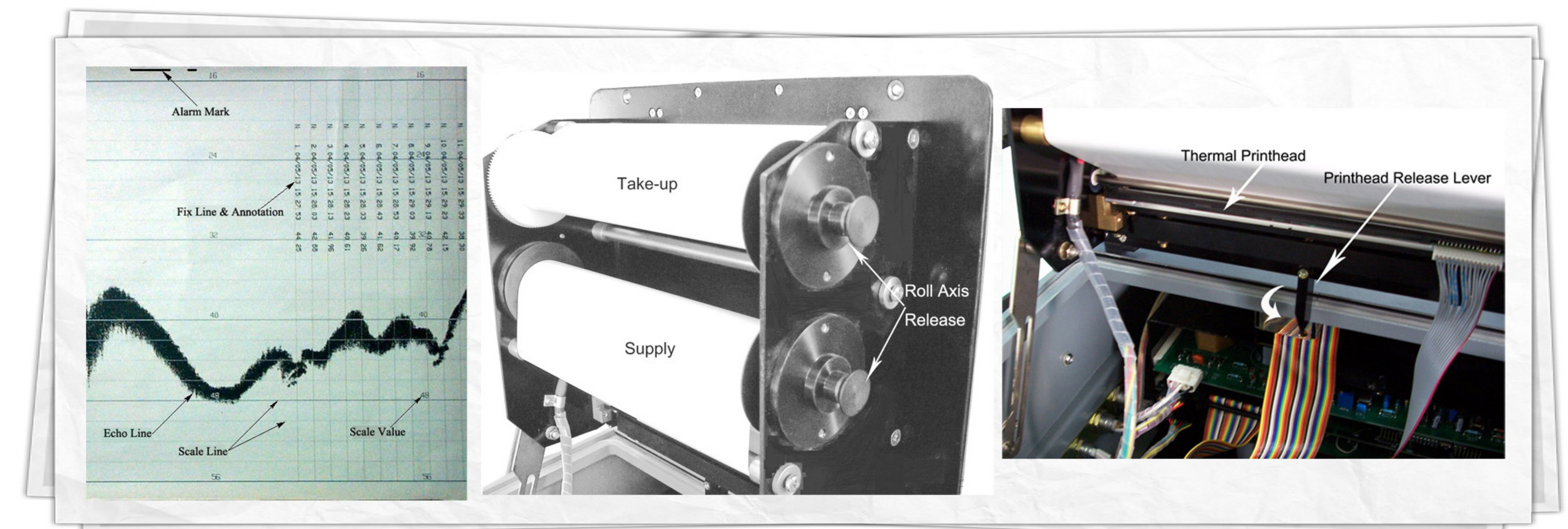
SMART MAX GEOSYSTEMS

HY1600 PRECISION SURVEY ECHOSOUNDER



HY1600 is a portable, precision survey echosounder for surveying in inland water, rivers, coastal areas and in other rugged conditions. Digital processing enables the instrument to offer fully automatic bottom digitizing capabilities. The LCD displays a valid digital depth when a firm bottom has been locked. A RS-232/RS485 serial port interfaces to some external computer or GPS system and motion sensors and make the autosurveying possible.

- ★ Adjustable pulse width / power / sensitivity/TVG
- ★ DSP Technical / Underwater automatic tracking skill
- ★ Standard RS232/485 serial data output pairs
- ★ Can be accessed by DGPS / PC / peripheral swell compensators, etc.
- ★ Self / keyboard setting parameters / off memory function
- ★ Thermal recording / LCD Display / manual and automatic commutation function
- ★ Automatic calibration / Note label / time / GPS coordinates / swell value



SPECIFICATIONS

Frequency: 208KHz
Survey Range: 0.3m-300m
Accuracy: 0.1%
Resolution: 1cm
Output power: 100W
Power Req: 10VDC-25VDC
Transducer: 208KHz-8 deg
Recorder: 8.5"/216mm Thermal printer and LCD display
Chart speed: auto/1-20cm/min adjustable
Data Output: 2 ports via RS232/485
Phasing: Manual/Auto Scale Change
Miscellaneous: AGC/TVG, Auto-mark,
Draft/velocity/Blanking adjustable

COMPOSITION

Main Unit
Dimensions: 460×360×190mm
Weight: 12kg

Transducer
Dimensions: Φ80×26mm
Weight: 1.5kg
Cable Length: 10m (adjustable)

Measuring rod
Dimensions: 3 × 0.7m
Weight: 5kg



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