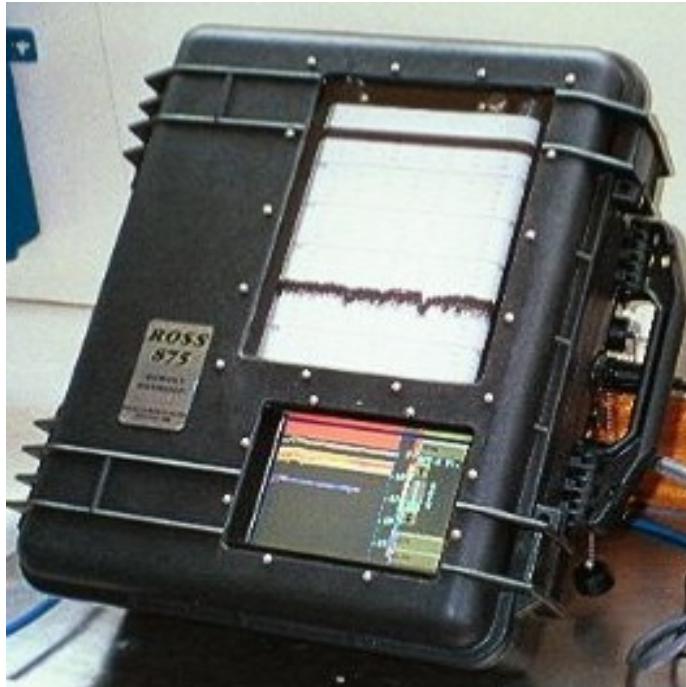


Model 875B

Portable Survey Recorder

The Technology of a Ross Smart Sounder and an 8 inch thermal paper chart recorder in one unit. All of the quality and performance that you expect from a Ross sounder in a small easy to operate package.



- **Simple keypad controls**
- **Digital and paper storage of sounding chart.**
- **USB memory stick data download.**
- **Waterproof**
- **12v DC or 115v AC operation. (with external power supply)**
- **Simultaneous Dual frequency. NMEA-0183 output.**
- **Heave correction and Position data input ports.**

Size - 19.25" x 15.5" x 7.5"

Weight - 25 lbs less Transducer

Temperature - operating 0° to 50° C
- storage -25° to 75° C

Humidity - 0 to 95% RH

Frequency choices:

200 kHz 50 kHz

100 kHz 28 kHz

12 Khz

Custom frequencies are available.

Ross Laboratories, Inc. • 3138 Fairview Ave E. • Seattle, WA 98102 USA

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Email: info@rosslaboratories.com

Model 875B Survey Recorder

The model 875B Portable Survey Sounder is a high performance instrument designed to meet the needs of hydrographic surveyors. The 875B combines the technology of the Ross Smart Sounder and a thermal printer to provide both a paper and digital record of the sounding chart.

Another feature of the 875B is the use of bright 6.4" color tft screen display for system setup and sounding chart display. The bright display and large menu select boxes along with a 16 button keypad, provide for easy operation in bright summer sunlight or cold weather use with gloves. A simple, user friendly, menu system, has been developed from Ross Laboratories many years of experience in the field. Connectors are available for an external SVGA monitor and standard keyboard when desired.

Two channels of depth soundings can be displayed simultaneously or individually on the recorder and sent to a data collection system via a standard serial port. GPS position information can be connected to the recorder and annotated on the chart.

Specifications:

Chart Recorder

Scale: Feet, Fathoms, or Meters
Range: 25 ft. min. 2000 ft. max.
Printer: High Performance Thermal
Paper Size: 8.5" X 131ft. (2.6 max. dia.)
Resolution: 200 dots / inch

LCD Screen Display

Display Type: Color TFT
Size: 6.4" diagonal
Pixels: 640 X 480
Luminance: 850 or optional 1500 nit
Frequencies: Choose any two of the following 12, 28, 50, 100, 200
Transmit power: 750 watts rms
Pulse width: .1 or .5 ms.
Minimum Depth: 2.0 ft. @ 200 Khz

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