



320B Rackmount Echosounder

Open Your Windows® to Survey!

"WINDOWS®" Interface / Data Display

- Capabilities of full-featured 320M less printer & control panel
- Remote control from PC or data logger
- SCSI plus 4 serial ports

DUAL FREQUENCY – Simultaneous Operation

- Built in digitizers – both channels
- Standard interface to all modern survey tools including: GPS, data loggers, and heave sensors
- Hands-off operation / automatic phase & gain control

COMPACT / LOW COST

- Easy integration / operation
- Rugged
- Reliable

KNUDSEN
ENGINEERING LIMITED

Precision Survey!

Main Ranges: Meters, Feet, or Fathoms
 10
 20
 50
 100
 200
 500
 1,000
 2,000
 5,000

Phased Ranges: Multiple 50% overlapped phases of each range, (20% overlap optional), manual or automatic selections.

Output Power: 4 selectable ranges, up to 2 kW on single frequency or 1 kW per channel of dual frequency.

Sound Speed: 1300-1700 m/s Resolution 1 m/s.
 4265-5577 ft/s Resolution 1 ft/s
 710-929 fm/s Resolution 1 fm/s

Depth Resolution:
 1 cm (0 - 99.99)
 1 dm (100 - 999.9)
 1 m (>1000)

1/100ft (0-99.99)
 1/10 ft (100-999.9)
 1 ft (>1000)

1/100fm (0-99.99)
 1/10 fm (100-999.9)
 1 fm (>1000)

Pulse Length: Automatically selected with operator override.

Gain Controls: AGC, TVG, and manual receive gain for each frequency.

Draft: 0-100m Resolution: 1 cm
 0-328.08ft Resolution: 0.01 ft
 0-54.68fm Resolution: 0.01 fm

TX Blanking: Manually controlled
 0-300m Resolution: 1 dm
 0-984.3ft Resolution: 0.1 ft
 0-164.0fm Resolution: 0.1 fm

Frequencies: 3.5 kHz to 250 kHz (any two)
 Standard frequencies included:
 3.5, 12, 24, 28, 30, 33, 50, 200, 210
For three or four frequency option, please consult the factory directly

Clock: Internal battery backed time and date

Heave: TSS and Seatex compatible

Position: Compatible with all popular GPS receivers

Serial Port: Four RS-232 ports, 300 - 38,400 baud
 3 input only, 1 input / output
 Optional RS-422

SCSI Port: Standard 50 pin Centronix

Input Voltage Range: 85-240 VAC Standard
 12 to 36 VDC Optional

Dimensions: Standard 3U
 19" Rackmount, 19" deep, 5.25" Height
 482mm x 482mm x 133mm

Weight: 9kg
 20 lbs

D131-04087-Rev2

