

K **GNUDSEN**

SERIOUS DEPTHS WITHIN REACH...

CHIRP
3260



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CHIRP 3260



Knudsen CHIRP Systems are the next benchmark in scientific sub-bottom profiling echosounders. The CHIRP 3260, is a high power deep water system capable of reaching serious depths up to 10,000m plus. This next generation system replaces the earlier, well respected Knudsen 320BR echosounder. The Chirp 3260, a blackbox system housed in a 5U rackmount case for shipboard installation on a rack, interfaces to your computer via a USB connection, and is supplied with SounderSuite Windows application software. The Chirp 3260 incorporates the latest in digital signal processing technology and specialized chirp and correlation processing algorithms to enhance sub-bottom depth capability.

Available in a 2 or 4 channel configuration, the versatile system is particularly well suited to multiple survey roles and includes a wide range of bathymetric frequencies. Most commonly configured for the low frequency combination of 3.5/12 kHz., the CHIRP 3260 is designed for full ocean depth requirements where high power output is required.

Technical Specifications: *(subject to change without notice):*

Available Channels

- Up to 4 channels

Frequency

- All channels: 3.5kHz - 210kHz

Output Power

- Up to 10kW on Channel 1 (6kW in four channel configuration)
- Up to 2kW on Channels 2, 3 and 4

Input Power

- 85 - 265 VAC

Pulse Length

- Up to 64ms

Gain

- Manual, automatic (AGC), and time varied (TVG)
- 96db range of programmable analog gain

Ranges

- 5, 10, 20, 50, 100, 200, 500, 1000, 2000, 5000

Phasing

- Manual and automatic (up to 50% overlaps)

Units

- Meters, Feet, or Fathoms

Resolution

- 1cm (0-99.99), 1dm (100-999.9), 1m (>1000)
- 1/100ft (0-99.99), 1/10ft (100-999.9), 1ft (>1000)
- 1/100fm(0-99.99), 1/10fm(100-999.9), 1fm (>1000)

Sound Velocity

- 1300 - 1800 m/s Resolution 1m/s
- 4265 - 5906 ft/s Resolution 1ft/s
- 710 - 984 fm/s Resolution 1 fm/s

Draft

- 0-100m Resolution 1cm
- 0-328ft Resolution 0.01ft
- 0-54fm Resolution 0.01fm

Interface

- USB 2.0 Full Speed (12Mbps)

Output Data

- Full resolution envelope data in KEB binary format and XTF (for sidescan only)
- Industry standard SEG-Y in 16-bit fixed point in user selected raw, filtered, or envelope detected form
- User configurable ASCII digital depth strings

Dimensions

- 533 mm (21") x 483mm(19") x 222mm (8.7")

Weight

- 25kg (55lbs)

Installation

- 5U Rackmount case

Operating Temperature

- 0 - 50 °C

Additional Features

- Frequency agility on all channels
- Full spectrum chirp and correlation processing
- Selectable frequency sweep and window functions
- Pinger Mode
- Multiple pings in the water column
- Built-in drivers for all popular GPS
- Built-in test signal generator
- Compatible with industry standard dataloggers and processing software (Hypack, QINSy, SonarWiz)
- Heave compensated echogram

Options

- Sidescan option
- Network option for multiple PC operation
- Remote Display Indicators
- EchoSim Sonar Signal Simulator

SounderSuite Software (Included)

- Compatible with Windows Vista or higher
- Easy to use Graphical User Interface (GUI)
- Postsurvey Display and Printing Software
- Large Digitized Depth Display
- Print to standard Windows printers and select thermal printers