

# CEESTAR™

## Compact Dual Frequency Survey Echosounder

### Compact

The CEESTAR™ is capable of fast deployment in vessels of opportunity and has been designed to be simple to use in the field without compromising the quality of the data collection.

### Rugged

Housed in a rugged Pelican case the CEESTAR™ has been built to withstand the harsh marine environment, with high quality components utilised to ensure a long service life.

### Dependable

Currently in use worldwide by defence forces, port & harbour authorities, educational institutes and environmental agencies.

It is used in applications ranging from dredging and engineering surveys to beach profiling for environmental studies.

### Expandable

The CEESTAR™ has the ability to accept various external inputs, including: the user's own GPS, tide and heave inputs.

When integrated with HYPACK survey software and a GPS the CEESTAR™ is a complete hydrographic survey system.



[www.ceehydro.com](http://www.ceehydro.com)



# CEESTAR™

## General Specifications

### Physical

Dimensions	24.5 x 19.5 x 11.5 cm (L x W x D) 9.65" x 7.68" x 4.53"
Display	2 x 20 Backlit LCD with contrast control
Weight	2.75 kg (6.07 lbs)
Colour	Pelican Yellow
Connectors	LEMO 1B & 2B series

### Environmental

Operating temperature	0°C-50°C (32°F-122°F)
Humidity	95% non condensing
Ingress protection rating	IP65

### Power

Power consumption	4 watts (approx operating time 12 hours)
Internal battery	Rechargeable high capacity NiMH battery 10Ah
External power supply	Nominal 12.0 VDC @ 2A (9-24 VDC range)

### Echosounder

Depth range	200 kHz 0.3-99.9 m 30 kHz 0.75-99.9 m
Maximum ping rate	6 Hertz
Accuracy	1 cm ± 0.1% of depth
Resolution	1 cm

### Transducer Options

Standard 200kHz (Std)	200 kHz, 8° beam width @-3dB
Narrow Beam 200kHz	200 kHz, 2.7° beam width @-3dB
Dual 200/30 kHz	200/30 kHz, 8°/19° beam width @-3dB

### External Data Interfaces

GPS input	NMEA 0183
GPS message	GGA + VTG
Heave input	TSS 1
Tide input	CEETIDE
Baud rate	4800 – 115200
Data bits/parity/stop bits	8/N/1



- Specifications are subject to change  
- Visit [www.ceehydro.com](http://www.ceehydro.com) for the complete list of specifications  
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