

# **CEETIDE**™

## Acoustic Surface Installed Tide Gauge

### Features

- ») Low maintenance acoustic probe
- ») Simple to install & operate
- ») Portable, 12 V internal battery
- ») Integrated telemetry (UHF -VHF)
- ») Rugged, built to Last ( IP67)



# CEETIDE™

The CEETIDE offers very easy installation, extremely low maintenance and simple operation.

The CEETIDE gauge can either be permanently installed for ports and harbour operations and be connected via a number of different telemetry options, such as UHF, VHF modems and dial up communications using GSM or 3G networks.

The CEETIDE has the facilities to log internally up to 65,000 tide readings, all of which have been processed to remove any spikes due to wave action. The front panel design allows the CEETIDE to be easily setup and calibrated without the need of using a PC in the field. All setups parameters can be verified before leaving the installation therefore reducing the possibility of setup errors.

The beauty of an acoustic tide gauge is having a probe that is not mounted in water, which greatly reduces the amount of maintenance required to maintain an accurate tide gauge installation. The probe can be discreetly mounted to prevent theft and vandalism, as the face of the probe need only be exposed from a suitable housing.

Also to maintain an accurate timing for the logged data we offer an option to provide a GPS installed within the control unit which provides the CEETIDE with a GPS corrected time every 24 hrs. The CEETIDE is also supplied with a PC program for simple remote setup, download & real-time tide display.

## GENERAL SPECIFICATIONS

### Physical

Dimensions	- 32cm x 27cm x 16cm
Display	- 320 x 240 Backlit graphic LCD with Contrast
Weight	- 5.6 Kg
Colour	- Pelican Yellow,
Connectors	- LEMO 1B series, TNC , CA 6+E

### Environmental

Temperature	- 0°C to 50°C
Humidity	- 95 % non condensing
Ingress Protection Rating	- IP67

### Probe Options

LU Acoustic	- Range, 0.5 to 12m
LR Radar	- Range, 0.5 to 20m
	- Std probe cable length 20m (options available)

### Logging

Memory capacity	- 65 000 tide readings
	- battery backed internal memory
Measure period	- 60 - 240 seconds
Logging Interval	- 1,2,4,6,10,20,30 minutes

### GPS option

GPS Model	- Magellan A12, with active GPS antenna
	- 10 m Antenna cable

### Power

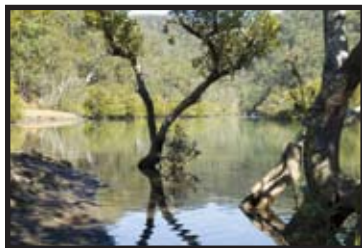
Power Consumption	- 6 watts max ( including UHF modem TX)
Internal Battery	- Rechargeable SLA battery 7.0 amps
External Power Supply Voltage	- nominal 12VDC

### User Controls

Date/Time	- Set Date & Time
Output Formats	- 8 different formats
Download method	- via serial or telemetry
Probe Level	- Set probe level
Probe Range	- Set min - max range for probe
Telemetry	- Baud rate, UHF channels (40)
Type of Probe	- LU or LR
Clear log	- Clear log file

### Telemetry Link

UHF	- W&D
GSM Network	- WCW GSM data modem
3 G Network	- Maxon Modmax Next G Modem



## BRUTTOUR INTERNATIONAL PTY. LTD.

Unit 1, 12 Cecil Road  
Hornsby(Sydney)  
NSW 2077  
Australia

Tel : +61 2 9987 1581  
Fax: +61 2 9987 1584  
email: sales@bruttour.com.au  
www.bruttour.com.au

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