

# **ULTRACOMPACT PRECISION ECHOSOUNDER**

# ECHOLOGGER ECT400

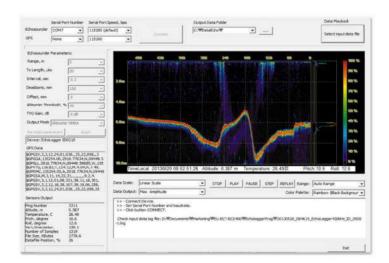


### **FEATURES**

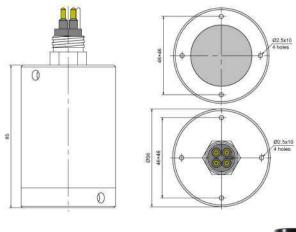
- Real-time backscatter data collection along full water columns
- Ultra compact (50mm dia. x 70mm length)
- Ideal for navigation of ROV/AUVs
- Serial interface (RS232, 485, 422)
- Compatible with Hypack, Topcon receiver, HydroPro(Trimble)
- Seacon underwater wet connector in place
- User friendly GUI software provided for instant image update
- Tilt sensor integrated (option)
- Depth rate up to 1,000m

#### **APPLICATIONS**

- Altitude Measurement for Navigation
- Sediment Move Monitoring
- Bridge Scour Monitoring
- Harbor Security
- Wave/Tide Monitoring















### SPECIFICATION

Acoustic Frequency 450 KHz

Beam width 5° Conical (-3dB)

**Transmit Pulse Width** 10µsec ~ 200µsec (10µsec step)

 Ranges
 0.15m~100m

 Housing
 ECT400 - PVC

ECS400 - Aluminium (anodised)

**Connector** SEACON

Operating Depth 100 m (Higher depth rate available on request)

Repetition (Ping)

Rate Sampling Rate

100 kHz

Water Column Resolution

Altimeter Range Resolution

7.5 mm

<1.0 mm

Temperature Resolution

0.1°C

**Temperature Accuracy**  $0.5^{\circ}\text{C} (-10^{\circ}\text{C} \sim +50^{\circ}\text{C})$ 

Tilt sensor integrated (optional)

Dual-axis, horizontal operation  $\pm 90^{\circ}$ Inclination data accuracy 0.1

Digital Output Interface RS-232, RS-485, RS-422

**Communication Speed** 4800 ~- 115200 baud (115200 baud default)

**Data Output Format** ASCII TXT, NMEA0183, or user defined (optional)

Configuration and Data reading Echologger Control Program

Or any terminal program

Operation Temperature -10°C +50°C

**Power supply**  $8 \sim 75 \text{ VDC}, 2\text{W max}$ 

**Dimensions** ECT: D56 mm x L85 mm (without connector)

ECS: D55 mm × L70 mm (without connector)

Weight ECT400 - 270g (PVC),

ECS400 - 310g (Aluminum),

Other features Hypack Compatible (NMEA)

GPS integrated data

