

Echologger AA400

Precision Autonomous Altimeter

by EofE Ultrasonics Co., Ltd.



Features

Fully Self-contained – No cables, No external power needed

High-speed Bluetooth Communication

Low Power Consumption for long term monitoring with 3x AA Alkaline batteries

Compact and light

Unique in the market

Inexpensive

User-friendly GUI for versatile parameter settings

- Adjustable sound speed

- High ping rate up to 10Hz

Applications

Sediment Monitoring
Seabed/Riverbed Monitoring
Tide/Wave Monitoring
Scour Monitoring

Specification

Acoustic Frequency	450 KHz
Beam width	5° Conical (-3dB)
Transmit Pulse Width	10μsec ~ 100μsec (10μsec step)
Ranges	0.15 m ~ 50 m
Housing Material	Acetal, Poly Carbonate, Al, SUS
Operating Depth	100m (optional 1000m, 3000m, 6000m)
Repetition (Ping) Rate	10 Hz max
Sampling Rate	100 kHz
Altimeter Range Resolution	1.0 mm
Temperature sensor Resolution	0.1°C
Temperature sensor Accuracy	0.5°C (-10°C ~ +50°C)
Communication	Bluetooth (v2.1), 115kbaud
Data Storage	Non volatile FLASH (2MB)
Data Output Format	ASCII
Power Supply	3XAA Alkaline batteries
Dimensions	D56 X L80 (w/o connector)
Weight	478g (air) / 30g (water)

Product Images

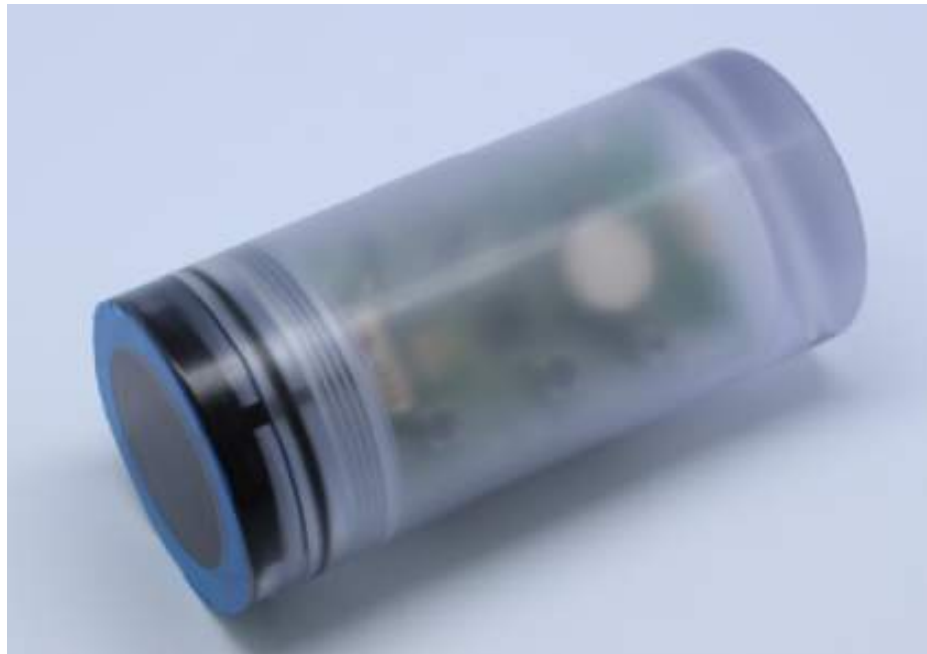


Standard (100m)



Right angled (1,000m)

Product Images



1000m depth rate (Polycarbonate)



3000m depth rate (Aluminum)

Product Images

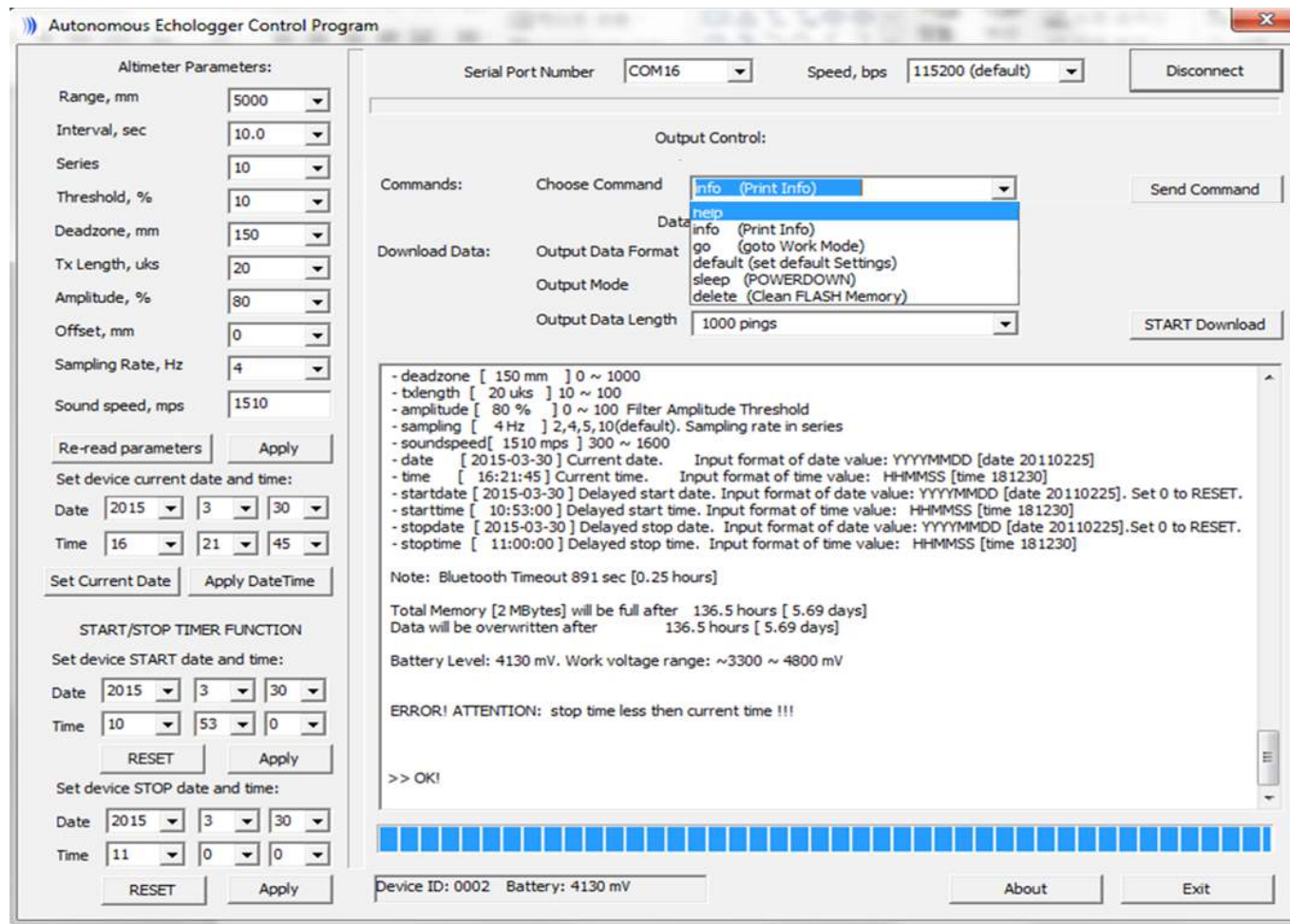


3,000m depth rate (Titanium)



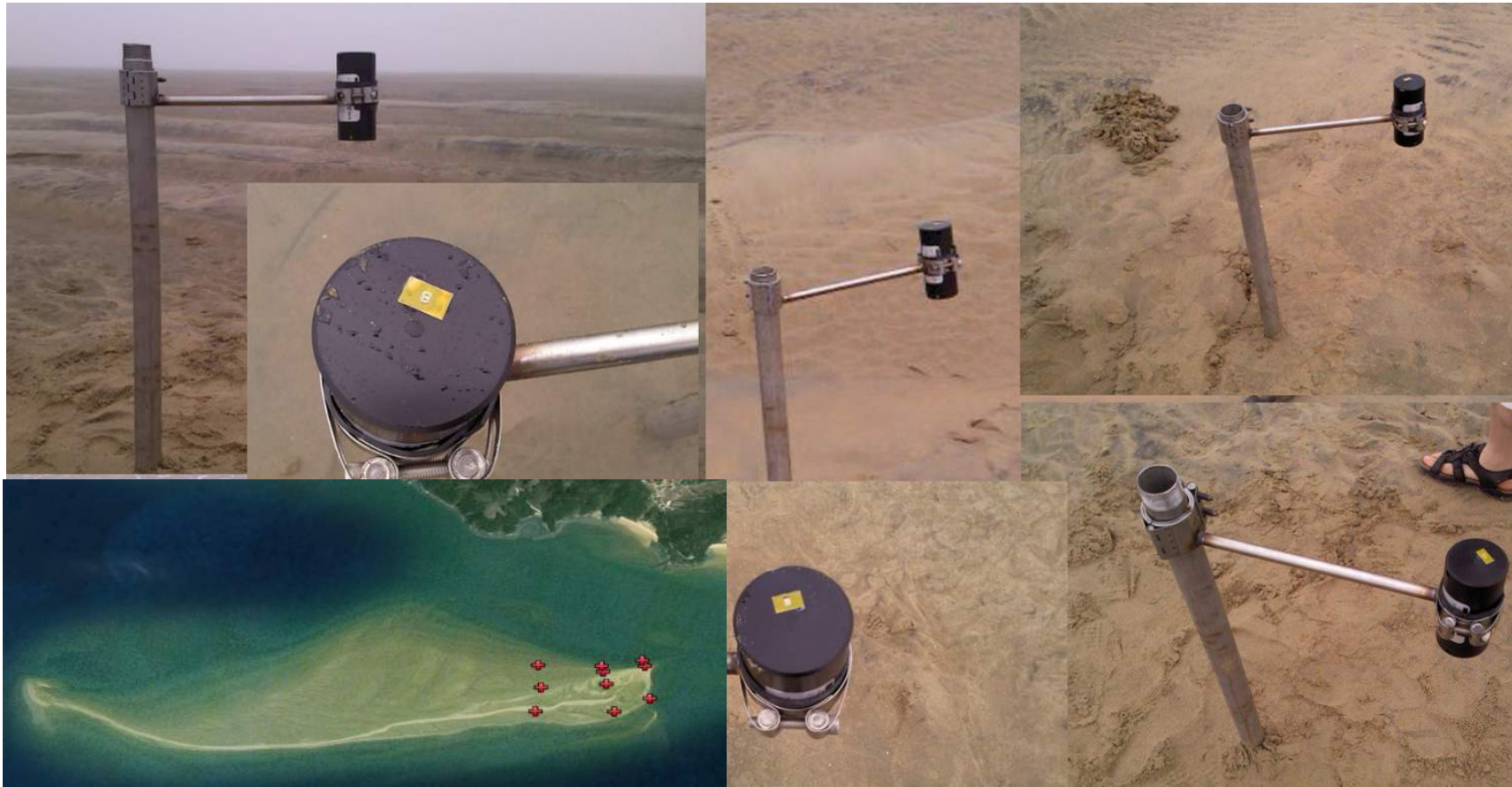
6000m depth rate

Product Images (user friendly GUI software)



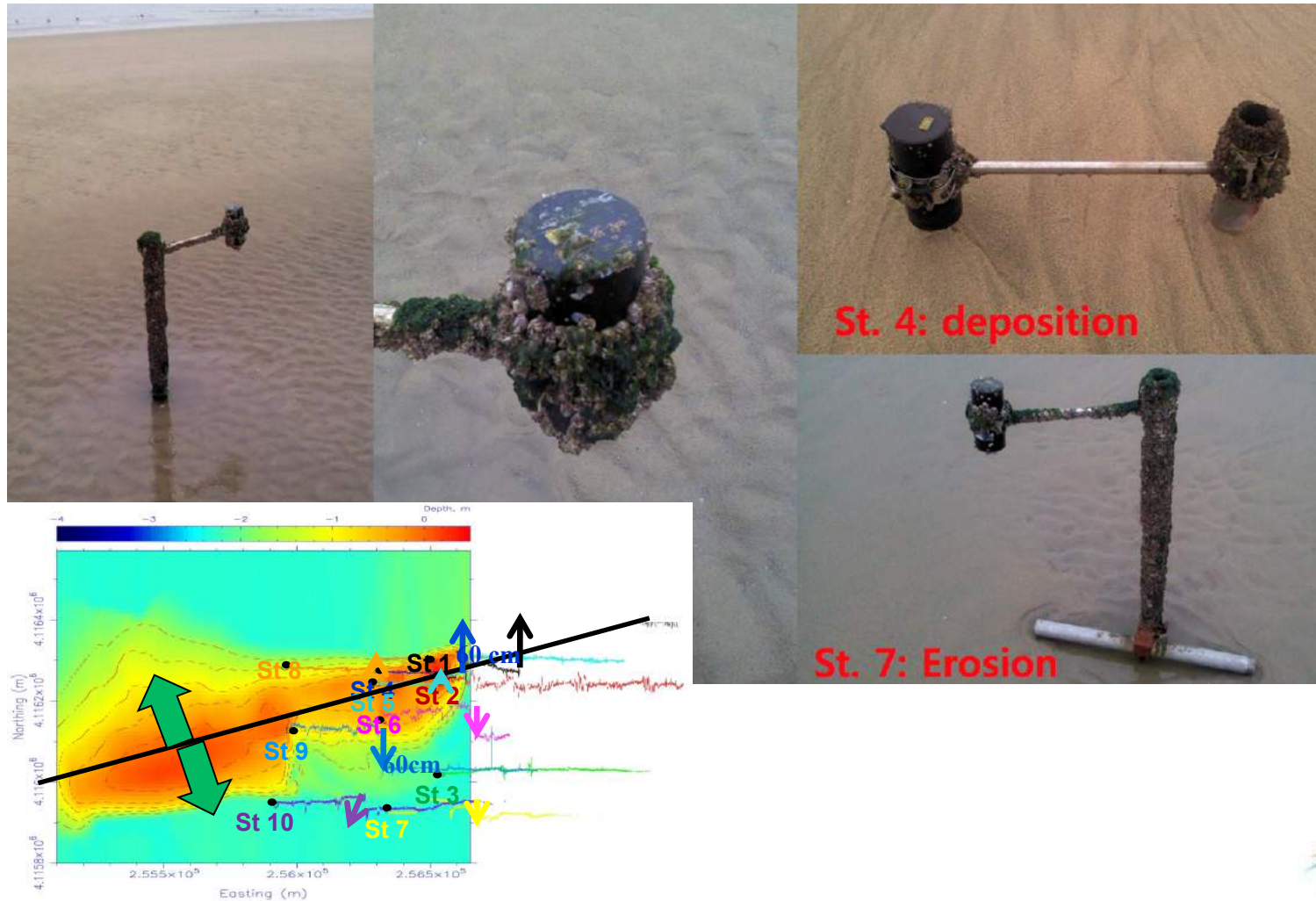
Product Images (courtesy of Inha Univ., Korea)

Devices deployed on a shoal (before measurement)



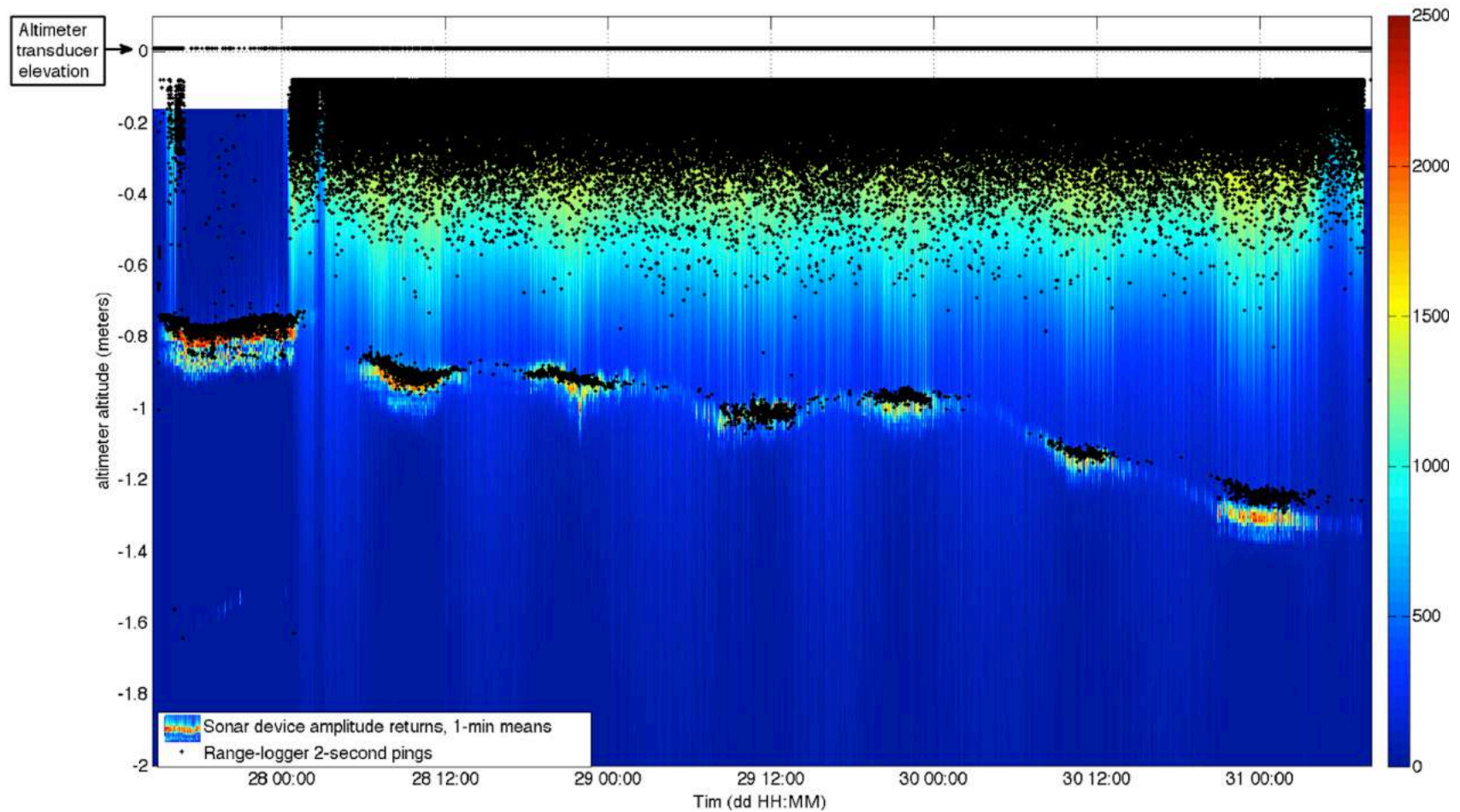
Product Images (courtesy of Inha Univ., Korea)

3 months after deployment



Product Images (courtesy of WHOI)

Sediment monitoring at a surf zone



Echologger AA400

Precision Autonomous Altimeter

by EofE Ultrasonics Co., Ltd.

Thank you!