

# PRECISION ECHOSOUNDER USB CONNECTION

## ECHOLOGGER EU400

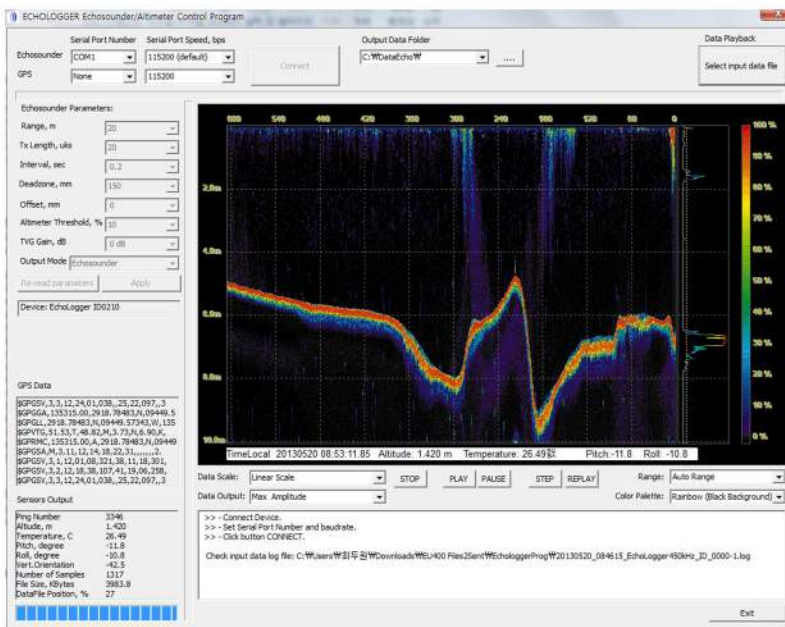
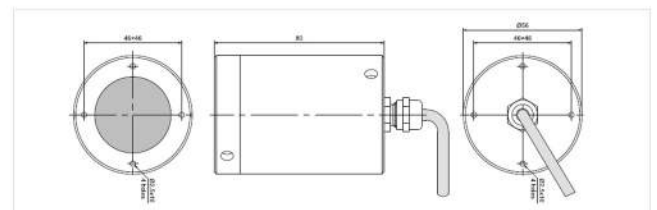


### FEATURES

- Plug and Play with a laptop PC via USB port
- No additional power supply is required
- Real-time backscatter data collection along full water columns
- Compatible with Hypack, Topcon receiver, HydroPro(Trimble)
- User friendly GUI software provided for instant image update
- Tilt sensor integrated (option)

### APPLICATIONS

- Sea bed mapping
- Sediment Move Monitoring
- Bridge Scour Monitoring



## SPECIFICATION

---

<b>Acoustic Frequency</b>	450 KHz
<b>Beam width</b>	5° Conical (-3dB)
<b>Transmit Pulse Width</b>	10µsec ~ 200µsec (10µsec step)
<b>Ranges</b>	0.15 m ~ 100 m
<b>Housing</b>	Acetal
<b>Connector</b>	USB
<b>Operating Depth</b>	5 m (Cable length dependant)
<b>Repetition (Ping) Rate</b>	10 Hz max
<b>Sampling Rate</b>	100 kHz
<b>Water Column Resolution</b>	>7.5 mm
<b>Altimeter Range Resolution</b>	<1.0 mm
<b>Temperature Resolution</b>	0.1°C
<b>Temperature Accuracy</b>	0.5°C (-10°C ~ +50°C)
<b>Tilt sensor integrated (optional)</b>	
Dual-axis, horizontal operation	±90°
Inclination data accuracy	0.1
<b>Digital Output Interface</b>	USB
<b>Communication Speed</b>	4800 ~ 115200 baud (115200 baud default)
<b>Data Output Format</b>	ASCII TXT, NMEA0183, or user defined (optional)
<b>Configuration and Data reading</b>	Echologger Control Program Or any terminal program
<b>Operation Temperature</b>	-10°C ~ +50°C
<b>Power supply</b>	USB powered, 2W max
<b>Dimensions</b>	D56 mm x L80 mm (without connector)
<b>Weight</b>	420g
<b>Other features</b>	Hypack Compatible (NMEA) GPS integrated data