



USBL DIVER TRACKING SYSTEM

High accuracy topside USBL diver position tracking

SYSTEM FEATURES

- + Intuitive topside tracking software, supporting up to 99 divers
- + 1km omnidirectional diver tracking range
- + Diver position, depth and status displayed in real-time
- + Configurable alarms, to alert topside and diver, including geo-fence, max/min depth and dive time
- + Diver audible alarms, including topside initiated, and strobe LEDs
- + Diver distress tag, when activated, immediately notifies topside of an emergency
- + Wireless diver beacon charging and configuration
- + Compact, rugged design, with quick release mounting



Rugged Charging and Transit Case
with 6x Charging Slots

SEATRAC D010

TOPSIDE CONTROL SYSTEM AND
DIVER MOUNTED TRACKING BEACONS FOR
IMPROVED DIVE MISSION AWARENESS

seatrac
D010

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SPECIFICATION

MECHANICAL

Dimensions	100mm (L) x 142mm (W) x 66mm (H)
Weight	400g (Air) 140g (Water)
Depth Rating	100m
Construction	PA66
Temp. Range (Operating)	-5°C to +40°C
Mounting	MOLLE Webbing or Tank Mount Contact Blueprint Subsea for other mounting solutions
Charger	325mm (L) x 487mm (W) x 175mm (H) 5kg (No Beacons Docked)

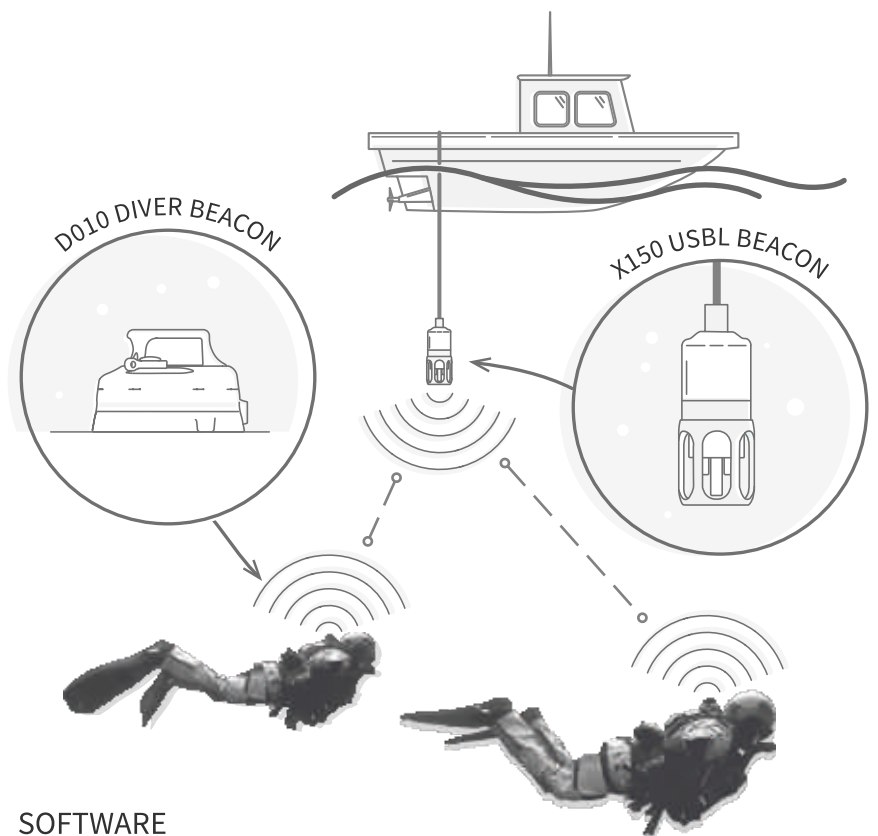
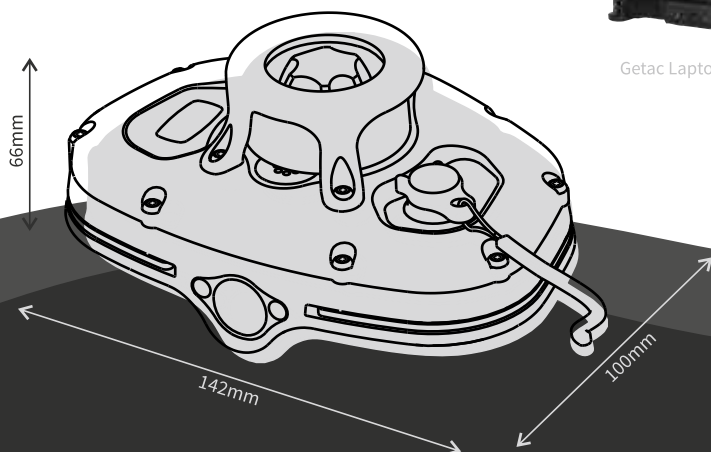
ELECTRICAL

Comms.	Bluetooth LE 5.0
Integrated Sensors	Water Pressure & Temperature, AHRS
Battery Chemistry	Li-ION
Operating Time	6-8 Hours Typical Use
Charging Time	Approx 4 Hours From Fully Discharged State
Charger Supply	90-264V AC Mains at 50-60Hz

DIVER TRACKING

Acoustic Range	1km Radius Horizontal, 1km Vertical (Hemispherical)
Angular Resolution	typ 2% of Acoustic Range $(\sim \pm 1^\circ)$
Acoustic Comms.	24-32kHz, 100 baud
Targets	Up to 99 beacons to be tracked
Range Resolution	$\pm 0.1m$ (Dependant on Provided VOS Accuracy)

Using SeaTrac X150 Beacon (Sold Separately)



SOFTWARE

Monitor diver status via depth warnings, diver distress and geo-fence alarms.

Click, or touch, the chart to add markers.

Click, or touch, the chart to add points defining a geo-fenced area.

Getac Laptop (Sold Separately)

Fully customisable warning/critical alarm thresholds.

Alarm Manager - Status: Warning Critical

Alarm	Warning	Critical	Icon	Action
Signal Lost	Time after which to trigger an alarm	00h 00m	00h 10m	[Pencil] [Trash]
Signal Strength	As measured by the beacon	[Bar Chart]	[Bar Chart]	[Pencil] [Trash]
Geo Fence Area	Type of alarm to trigger if Geo Fence Area is breached	[G Icon]	[G Icon]	[Pencil] [Trash]
Dive Time	As measured by the remote beacon	00h 00m	00h 30m	[Pencil] [Trash]
Battery Level	As measured by the remote beacon	[Battery Icon]	[Battery Icon]	[Pencil] [Trash]
Minimum Depth	As measured by the remote beacon	2m	3m	[Pencil] [Trash]
Maximum Depth	As measured by the remote beacon	5m	20m	[Pencil] [Trash]

*Indicates value obtained from in-field testing with a data set of 1200 fixes from 22 positions, taken in enclosed area of water 380m x 160m x 10m.

Please note that all functions & specifications may be subject to change in line with our policy of continual product development.