

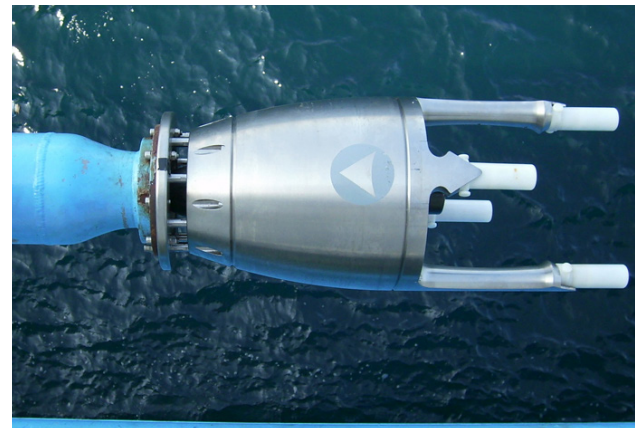
# IXBLUE GAPS

## GLOBAL ACOUSTIC POSITIONING SYSTEM

The pre calibrated Global Acoustic Positioning System (GAPS) combines USBL, INS and GPS technologies. The most accurate USBL in its category, it works in deep or extremely shallow water and difficult environments where other systems have failed.



For more informations, please flash this code and visit our web site.



### GENERAL SPECIFICATIONS

BASIC FUNCTIONS	Towfish tracking AUV, ROV and others Diver tracking
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### SUBSEA POSITIONING PERFORMANCE

POSITIONING ACCURACY	0,2% of slant range
OPERATING RANGE	4000m
COVERAGE	200 Deg below acoustic array
OPERATING FREQUENCY	20 to 30 KHZ, MFSK chirp modulation

### SURFACE POSITIONING / ATTITUDE PERF.

HEADING/ROLL/PITCH	0.01 Deg
POSITION	2 TO 5 CM (EXTERNAL RTK RECEIVER)

### OPERATING RANGE / ENVIRONMENT

POWER SUPPLY	28 VDC
CONSUMPTION	50 W
OPERATING TEMPERATURE	-5°C TO 35°C
STORAGE TEMPERATURE	-20°C TO 70°C

### PHYSICAL CHARACTERISTICS

HOUSING MATERIAL	CARBON COMPOSITE
WEIGHT IN AIR	15 KG
WATER	-7 KG (POSITIVE BUOYANCY)
HOUSING DIMENSIONS	295 MM - 638 MM
ARRAY DEPTH-RATING	50

### INTERFACE

PROTOCOLS	INDUSTRY STANDARDS: IXSEA SENSORS PHINS RAMSES
FULLY COMPATIBLE	ANY EXTERNAL GPS, DGPS & RTK RECEIVER
AUTOMATIC SOUND VELOCITY CORRECTIONS	
10 HZ OUTPUT RATE FOR SUBSEA POSITIONING	
100 HZ OUTPUT RATE FOR SURFACE POSITIONING	



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