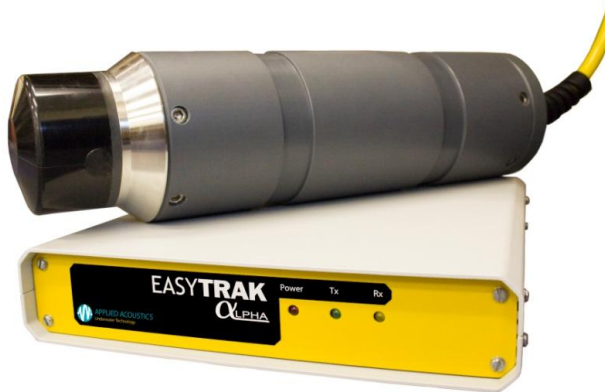


## Easytrak Alpha USBL System, Model 2665



### Key Features

- Compact USBL system
- Rapid deployment
- Simple to use
- Cost-effective

Easytrak Alpha is the introductory and most compact version of the Applied Acoustics' range of tracking systems that use a vessel mounted transducer array to calculate the position of a subsea target equipped with an acoustic beacon. Ideally suited for small subsea vehicle operations or diver tracking, the Alpha is a condensed and cost effective system for monitoring close range subsea targets.



### Technical Specification

#### EASYTRAK ALPHA CONSOLE, MODEL 2665

Dimensions	Console: 255 x 60 x 315mm, excluding cables
Weight	Console: 2.6kg approx
Power Supply	Input: 115Vac – 230Vac 47-63Hz typically 2A Console Input: 12-18Vdc up to 2A depending on input dc voltage
Communications	2 x RS-232 External GPS In and Data Out GPS Antenna connector All RS232C inputs comply with EIA (Electronics Industry Association) RS232C standard. 1 x USB connection to external PC
Internal GPS / DGPS	SiRF Star III Chipset Receiver <10m, 2D RMS <5m 2DRMS, SBAS (WAAS, EGNOS, MSAS...) corrected
External GPS / DGPS Input	NMEA; GLL, GGA, RMC
Data Output	AAE, TP-EC W/PR, \$PSIMSSB, \$PSIMSNS, \$GPRMC, Sonar SSS - \$GPGGA (Vessel position), \$GPVTG (Vessel track and speed) \$GPTLL (Target position)

## Easytrak Alpha Technical Specification continued...

Beacon Types	Transponders and Responder (1)
Channels	4 displayed from 35 pre-defined
Interrogation Interval	1, 2, 4 or 8 second intervals
Responder Output	Positive 12V pulse 5ms long. BNC connector
Operating Temperature	-5 to 30°C
Storage Temperature	-5 to 45°C

### TRANSDUCER, TYPE ETM903C

Dimensions	Transducer: 370mm long x 100mm diameter Cable: 12.5 mm diameter, yellow polyurethane sheathed Standard length is 20m
Weight	Transducer: 4.6kg in air, 2.6kg in water approx Transducer housing material: PVC
Depth rating	20m
Operating Temperature	-5 to 30°C
Storage Temperature	-5 to 45°C

Optional higher accuracy transducer, the ETM902C, also available

### ACCURACY / PERFORMANCE

Slant Range Resolution	10cm
Position Accuracy	2.0° RMS, 3.5% of slant range. Excluding effects due to GPS error, incorrect VOS, ray bending, compass, pitch and roll effects, and acceptable S/N ratio
Transducer	MF frequency band.
Transducer beam pattern	Hemispherical
Interrogate SPL	Typically 186 re. 1µPa@1m
Heading Sensor Accuracy	<0.5° RMS
Tilt Sensor Accuracy	Accuracy ± <1.0° RMS Range ± 80°



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Due to continual product improvement, specification information may be subject to change without notice.  
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