#### Marine House, Marine Park, Gapton Hall Road, Great Yarmouth, NR31 ONB, United Kingdom

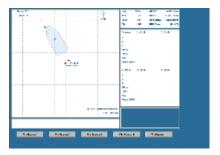
# Easytrak Lite USBL System, Model 2661



### **Key Features**

- Accurate and stable USBL system
- Easy to operate
- Tracks on the horizontal
- Approved for military use

Easytrak Lite is an Ultra Short Baseline (USBL) underwater positioning and tracking system centred on a multi-element, single transducer that transmits and receives acoustic signals to dynamic subsea targets from which range, bearing and depth information can be determined. Designed for installation in a vessel's operations room, the main transmit and receive electronics power supply and digital signal processing have all been mounted within a rugged 2U enclosure for connection to a laptop or desktop PC.



## **Technical Specification**

## **EASYTRAK LITE, MODEL 2661**

Dimensions 19" Rackmount. 2U. 482 x 88 x 345mm
Serial communications RS-232. USB to RS-232 adaptors available

Power requirements 90-250Vac at 50VA

PC requirements (min) 1.2GHz running Windows XP, Windows 7. USB or up to

3 x RS-232 port. Colour display, 1024 x 768. CD Rom drive

Data Output AAE format, TP-2EC TP-EC W/PR, Simrad 300P, Simrad 309 (binary)

\$PSIMSSB, \$PSIMSNS (One string after the other for each fix)

\$GPRMC (Suitable for Coda Octopus 460P and others)

KLEIN 3000, \$GPGGA and \$GPVTG

Compass Input TCM-2.X , SGB-HTDS , SGB-HTDt, \$HEHDT, \$HDHDM, \$HDHDT, \$HDHDG

VRU Input TCM-2.X, \$HCXDR, TSS1
GPS / DGPS Input NMEA; GLL, GGA, RMC

Sync. Input TTL type 5 Volt pulse. Triggers on rising edge.

Responder Output Positive 12V pulse 5ms long





## Easytrak Lite Technical Specification continued...

### TRANSDUCER, TYPE ETM902C

Aluminium-Bronze transducer. May be tilted by 20° for towfish tracking

375 mm long x 100 mm diameter **Dimensions** 

Weight in air/water 9.5kg / 7 kg 50 metres **Depth Rating** 

#### TRANSDUCER CABLE

Diameter 12.8 mm nominal

Colour Yellow

Length 20 – 60 metres standard lengths available

Connectors

**SWL** 20 kg (Allows transducer to be deployed from cable)

#### **ACCURACY/PERFORMANCE**

(Accuracy is based on the correct speed of sound being entered, no ray bending and an acceptable S/N ratio)

Slant Range accuracy

Position accuracy, standard 1.40° drms. 2.5% of slant range

Acoustic accuracy excludes heading errors

Position accuracy, high 0.60° drms. 1.0% of slant range.

> Acoustic accuracy excludes heading errors 0.1° displayed. Internally calculated to 0.01°

**Bearing Resolution** 

0.8° rms standard. +/- 0.1° resolution/repeatability Heading sensor accuracy

Pitch/Roll sensor accuracy +/- 0.2° rms. +/- 0.1° resolution/repeatability

Channels 4 channels displayed from 134 stored

Frequency Band (MF) Reception 22 - 32kHz

Transmission 17 - 26kHz

Tracking Beam Pattern > Hemispherical

**Beacon Types** Transponders, Responders and Pingers Interrogation Rate 0.5 - 30 seconds or external key

**Transmit Power** 178/185/190dB software controlled

Externally assessed for immunity and missions. Conforms to **CE Marking** 

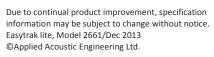
89/336/EEC



De Hoogjens 22 4254 XW Sleeuwiik The Netherlands

Tel: +31 183 307900 Fax: +31 183 307910 Email: info@seascape.nl www.seascape.nl











T) +44 (0)1493 440355

(F) +44 (0)1493 440720

(E) general@appliedacoustics.com

(w) www.appliedacoustics.com