

ACOUSTIC POSITIONING

AAE MODEL 96X 'FAT BOY' TRANSPONDERS



Operates with most USBL tracking systems available today

- **High power directional transducers for longer ranges**
- **Ideal for applications in deep, noisy or difficult environments**
- **3000/4000 metre depth capability**
- **Operates as transponder, responder or pinger**
- **Also available with remote transducer option**
- **Depth telemetry versions available**

High output variants of our highly successful 900 series Beacons. The full range operate with Simrad HiPAP, Simrad HPR 300/400, Sonardyne USBL and ORE Trackpoint II/LXT USBL systems. Channel (frequency) selection is by two external switches which allows for 144 frequency combinations. Part of our Mega-Signal range, this very high power design is particularly useful for work in deep water or in noisy environments.

Three basic types of 'Fat Boy' Transponders:

Models Available	962	: +/-15 degrees @ 208dB
	965	: +/-45 degrees @ 203dB
	972 Fat Boy-PLUS	: +/-15 degrees @ 212dB

Standard physical specifications:

Diameter	125 mm
Length	575 mm (c 910 mm for 972)
Weight in air / water	15kg/8.0kg (96x), 20kg/9.7kg (972)
Housing Material	Hard Anodised Aluminium
Depth Rating	1000, 2000, 3000 or 4000m
ON/OFF switch	Rotary in lower end-cap
Channel selectors	Rotary in lower end-cap

Electrical specifications:

Battery Type (standard)	Rechargeable Ni-cad
Operational Life 962/965	50,000 replies
Operational Life 972	22,000 replies Ni-cad 75,000 replies Alkaline
	Maximum 972 interrogate rate is once every 4 seconds (Operational life with Trackpoint II is 7 times longer)
Listening Life (all units)	100 days
Transmit Frequency	27 - 33 kHz
Receive Frequency	16 - 27 kHz
Charging Connector	VSG-4-BCL on end-cap
Responder Key	+ve 3 - 25 volts
External Power	22 - 35vdc
Rx Sensitivity	80dB re 1 uPa typical
Depth Sensors (optional)	1000m, 2000m and 4000m

Compatibility:

Channels/frequencies	HPR300:	14, transponder/responder
	HPR400:	14+56, transponder/responder
	HiPAP:	56, transponder/responder
	Sonardyne USBL:	14, transponder/responder
	ORE Trackpoint II:	11, transponder/responder. 5, pinger
	Emergency Pinger:	37.5 kHz
	Test Channels:	3

Options: Remote transducer and LF variants. Alkaline / Lithium Battery Packs, Battery Chargers. These models are just a part of our comprehensive range of medium frequency acoustic positioning beacons. Please consult the factory or your local representative for further information.

January 2003



Marine House, Marine Park, Gapton Hall Road, Great Yarmouth, NR31 0NL, England
 Tel: + 44 (0) 1493 440355 Fax: + 44 (0) 1493 440720
 www.appliedacoustics.com email: general@appliedacoustics.com

Due to continual product improvement these specifications may be subject to change without notice.