



: Technical Specification

Fat Boy Beacons

Fat Boy Beacons are high power directional beacons with a longer operating range perfect for use in very difficult acoustic conditions such as found in deeper water or very noisy, challenging environments.

Fat Boy Beacons are compatible with Easytrak and almost all industry tracking systems operating worldwide. As all switch selections are external, there is no need to open the product to change channels to match the tracking system chosen. Battery charger and external power switches are similarly external.

Key Features

- : Externally configurable for use as Transponder, Responder or Pinger.
- : Can be supplied with a remote transducer.
- : Telemetry option for confirmation of accurate beacon depth (D suffix).
- : Transducer protection cage available to reduce accidental damage.
- : Survival depth to 4000m also available.



LOWER END CAP



MODEL 962



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MODEL TYPES - PHYSICAL SPECIFICATION

Housing material; Hard anodised aluminium

	Beam Pattern	SPL	Diameter	Length	Survival depth	Weight air/water
Model 962	+/- 15°	208dB	125mm	575mm	3000m	15kg/8kg
Model 965	+/- 45°	203dB	125mm	575mm	3000m	15kg/8kg
Model 972	+/- 15°	212dB	125mm	910mm	3000m	20kg/9.7kg

ELECTRICAL SPECIFICATION

Battery*

Type Rechargeable e.g. NiMH
Non-rechargeable e.g. Alkaline

Listening Life 120 days

Operational life Dependent on pulse rate
Model 965: 60 hours at 1.0pps
Model 962: 60 hours at 1.0pps
Model 972: 40 hours at 0.25pps

Configuration

Transmit frequency range 27-33 kHz
Receive frequency range 17-27 kHz
Turn around time 15/30/60mS dependent on channel
Transmit pulse width 1.5/10mS dependent on channel
Available channels 144

External Inputs

Connector type VSG 4-BCL
Responder key Positive 5-25 volts
External power 22-35 vdc @ 120mA
AAE charge Used with AAE 982 Smart Charger or PAM test set
Ground Common ground

COMPATIBILITY

		Available Channels	Transponder/Responder
Tracking System	Easytrak	20	Yes
	Simrad HPR300	14	Yes
	Simrad HPR400	14 + 56	Yes
	Simrad HiPAP	56	Yes
	Sonardyne USBL	14	Yes
	ORE Trackpoint II	8	Yes
Pinger		5	
Emergency Pinger		37.5kHz	
Test Channels		3	

OPTIONS

Survival depth to 4000m
Remote transducer
Protection cage
Depth sensors; 100m/300m/1000m/2000m/4000m

NOTES

*As advances in battery technology allow, AAE's policy is to continually upgrade the batteries supplied. This increases both the listening life and the operational life of the beacons.

