



: Technical Specification

Micro Beacons

Micro Beacons are ideal for use in shallow water environments, operation in a confined space, or for applications not requiring a high level of power output.

The Micro Beacons combine small size with long battery life, enabling objects to be tracked in applications where use of larger beacons would simply not be possible. For example, the Micro's slim profile makes it perfect for use by divers or attached to eyeball ROV's, small side-scan towfish or for taut wire applications.

Key Features

- : Have easily available user-replacement 9v alkaline batteries.
- : Are compatible with Easytrak and almost all industry tracking systems operating worldwide.
- : Can be supplied with a remote transducer.



MODEL 219



MODEL 229

MODEL TYPES - PHYSICAL SPECIFICATION

Housing material; Hard anodised aluminium

	Beam Pattern	SPL	Diameter	Length	Survival depth	Weight air/water
Model 219	+/- 90°	180dB	50mm	230mm	600m	660g/260g
Model 229	+/- 90°	183dB	50mm	290mm	3000m	780g/320g

ELECTRICAL SPECIFICATION

Battery*

Quantity	Model 219: 2 x 9v Model 229: 4 x 9v
Type	Non-rechargeable; 550mAh Alkaline PP3/6LR61/Duracell MN1604 or equivalent
Listening Life	Model 219: 30days Model 229: 60 days
Operational life	Dependent on pulse rate Model 219: 30 hours at 1.0pps Model 229: 30 hours at 1.0pps
Configuration	
Transmit frequency range	25-32.5 kHz
Receive frequency range	16-26kHz
Turn around time	15/30mS dependent on channel
Transmit pulse width	1.5/10mS dependent on channel

COMPATIBILITY

Tracking System		Available Channels	Transponder/Responder
	Easytrak	21	Transponder only
	Simrad HPR300	14	Transponder only
	Simrad HPR400	14 + 56	Transponder only
	Simrad HiPAP	56	Transponder only
	Sonardyne USBL	14	Transponder only
	ORE Trackpoint II	Any within band	Transponder only
	ORE LXT	Code 2-5	Transponder only
Pinger		Any within band @ 2 pulses per second	
Emergency Pinger		37.5kHz @ 2 pulses per second	

OPTIONS

Survival depth to 4000m
Remote transducer



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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.

