

Applied Acoustic 219 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 Types – Physical Specification

Housing Material; Hard anodised aluminium

	Beam Pattern	SPL	Diameter	Length	Survival Depth	Weight air/water
Model 219A#	+/- 90°	180 dB	50mm	248mm	600m	700g/280g
Model 229A#	+/- 90°	183dB	50mm	310mm	3000m	820g/330g

Electrical Specifications

Battery*

Quantity	Model 219A: 2 x 9v Model 229A: 4 x 9v
Type	Non-rechargeable; 550mAh Alkaline pp3/6LR61/Duracell MN1604 or equivalent
Listening Life	Model 219A: 30 days Model 229A: 60 days
Operational life	Dependent on pulse rate Model 219A: 30 hours at 1.0pps Model 229A: 30 hours at 1.0pps
Configuration	
Transmit frequency range	25-32 kHz
Receive frequency range	16-26 kHz
Turn around time	15/30/60mS dependent on channel
Transmit pulse width	1.5/10mS dependent on channel

Compatibility

		Available Channels	Transponder/Responder
Tracking System	Easytrak	8	Transponder only
	Simrad HPR300	14	Transponder only
	Simrad HPR400	14 + 56	Transponder only
	Simras 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

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 # Improved PRV. Product chassis secured by nylon screws for enhanced durability