Applied Acoustic Engineering Ltd



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200 Series Micro Beacon



Key Features

- User replaceable 9V batteries
- Compatitble with Easytrak and almost all industry standard tracking systems operating worldwide
- Can be supplied with a remote transducer

200 Series 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 200 Series beacons combine small size with long battery life, enabling objects to be tracked in applications where the use of larger beacons would 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 tow-fish or for taut wire applications.

Applications

- General purpose tracking and positioning applications
- Diver tracking
- Static and dynamic operations eg small ROV and sidescan sonar.

Technical Specification

MODEL TYPES – PHYSICAL SPECIFICATION

Housing material; Hard anodised aluminium

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

ELECTRICAL SPECIFICATION

Battery 219A: 2 x 9V

229A: 4 x 9V



200 Series Micro Beacon Technical specification continued...

Battery type Non re-chargeable; 550mAh Alkaline PP3/6LR61/Duracell MN1604 or

equivalent

Listening life 219A: 30 days

229A: 60 days

Operational life Dependent on pulse rate and operational mode

219A: 30 hours at 1.0pps 229A: 30 hours at 1.0pps

Operational life reduced when used with non AAE USBL systems

Configuration

Transmit frequency range 25 - 32.5kHz Receive frequency range 16 - 26kHz

Turn around time 15/30ms dependent on channel selection 1.5/10ms dependent on channel selection

USBL COMPATIBILITY

AAE Nexus Spread Spectrum systems
AAE Easytrak All models, tone systems

Kongsberg HPR/HiPAP ORE/Edgetech USBL Sonardyne USBL

OPTIONS

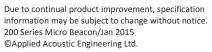
Compatibility with USBL systems not listed above

Model 229A survival depth to 4000m

Remote transducer (supplied with Model BCN-0210A electronic bottle); RM90V, omni-directional, depth rated to 600m or RM90S, omni-directional, depth rated to 1000m Interconnect cable, 600mm as standard

Please consult the AAE sales team for further information









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