

1200A Series Micro Beacon



The **1200A Series Micro Beacon** is ideal for use in shallow water environments, operation in a confined space or for applications not requiring a high level of power output.

The beacon has a Micro USB interface protected by a rugged waterproof cap that allows channel selection and battery recharging without opening the housing.

Key Features

- AAE Sigma' Spread Spectrum technology
- USB PC connectivity
- Rechargeable NiMH batteries
- Charging via USB with onboard charge indicator
- Easy channel configuration via beacon editor app
- On/off sensor
- Legacy support for almost all industry USBL systems currently in use

Applications

- General purpose tracking and positioning applications
- Diver tracking
- Static and dynamic operations e.g. 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)
1219A	±90°	183dB	600m	52mm	248mm	848/361g

1200A Series Micro Beacon Technical specification continued...

ELECTRICAL SPECIFICATION

Battery

Battery type	Rechargeable; NiMH
Charge Time	Computer USB port: 8 hours maximum Mains USB dedicated charge port : 4.0 hours maximum Charge status indicator
Listening life	30 days minimum (at 2°C)
Operational life	Dependent on pulse rate and operational mode 30 hours at 1.0pps (AAE Spread Spectrum mode) Operational life reduced when used with non AAE channels

USB

Connector	Micro USB
Supported Modes	USB 1.1/2.0 (driver required)

Configuration

Set-up	AAE beacon editor software
Transmit frequency range	21.5 - 30.5kHz
Receive frequency range	16 – 26.5kHz
Turn around time	Dependent on channel selection
Transmit pulse width	Dependent on channel selection

USBL COMPATIBILITY

AAE Nexus	
AAE Easytrak	
AAE V-Nav	
Kongsberg	HPR/HiPAP
iXBlue	GAPS
Sonardyne	USBL

OPTIONS

Compatibility with USBL systems not listed above

Please consult the AAE sales team for further information



Due to continual product improvement, specification information may be subject to change without notice.
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