

1300A Series Micro Beacon



The **1300A Series Micro Beacon** is an evolution of the popular 300 Series that has been designed to add extra versatility to the Micro Beacon range. It is ideal for use in shallow water environments or operations in confined space.

In addition to its internal batteries, the 1300A Series Micro Beacon has an external connector that allows it to operate from a ROV 24V power supply.

Channel selection is via a USB adaptor cable.

Key Features

- AAE Sigma Spread Spectrum technology
- Rechargeable NiMH batteries
- USB PC connectivity via 5 pin connector
- Charging via USB with onboard charge indicator
- Easy channel configuration via Beacon Editor app
- Can operate from a 24V power supply
- Responder interface
- Legacy support for almost all industry USBL systems currently in use
- *PRV*
- *On/Off shorting link*

Applications

- General purpose tracking and positioning applications
- Diver tracking
- Static and dynamic operations e.g. 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
1319A	±90°	183dB	600m	52mm	298mm	999g/438g

ELECTRICAL SPECIFICATION

Battery

Battery type	Rechargeable; NiMH
Charge Time	Computer USB port: 8 hours maximum Mains USB dedicated charger: 4.0 hours maximum
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

Configuration

Set-up	AAE Beacon Editor software
Transmit frequency range	21.5 - 30.5kHz
Receive frequency range	16.0 - 26.5kHz
Turnaround time	Dependent on channel selection
Transmit pulse width	Dependent on channel selection

External Inputs

Connector type	MCBH5M
USB interface	USB 1.1/2.0 (driver required)
Responder key	Positive 5-20 Volts
External Power/Charge	24 Volts @ 50mA
Ground	Common ground
On/Off	Via connector shorting link

USBL COMPATIBILITY

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

OPTIONS

Compatibility with USBL systems not listed above

Remote transducer (supplied with Model BCN-1310A electronic bottle)
Model types RM91S or RM91SR, omni-directional, depth rated to 1000m. Interconnect cable, 600mm as standard

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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