

Applied Acoustic 916/919 Mini Beacons



Mini Beacons offer all round flexibility in coastal to deeper waters. They are compatible with Easytrak and almost all industry tracking systems operating worldwide. As all switch selections are external, there is no need to open the product to change channels to match the tracking system chosen. Battery charger and external power switches are similarly external.

Key Features

- Directional or omni-directional beam pattern, depending on the application
- Externally configurable for use as Transponder, Responder or Pinger
- Optional high power model to operate longer ranges (H suffix)
- Can be supplied with a remote transducer
- Transducer Protection Cages available to reduce accidental impact damage
- Telemetry option for confirmation of accurate beacon depth (D suffix)

Model Types – Physical Specification

Housing Material; Hard anodised aluminium

	Beam Pattern	SPL	Diameter	Length	Survival Depth	Weight air/water
Model 915	+/- 45°	194 dB	69mm	370mm	2000m	2.5kg/1.5kg
Model 915H*	+/- 30°	196dB	69mm	370mm	2000m	2.5kg/1.5kg
Model 919	+/- 90°	188dB	69mm	355mm	1500m	2.5kg/1.5kg
* high power						

Electrical Specifications

Battery**	
Type	Rechargeable – NiMH as standard Non-rechargeable – Alkaline optional
Listening Life	40 days
Operational Life	Dependent on pulse rate Model 919: 35 hours at 1.0pps Model 915: 35 hours at 1.0pps Model 915H: 20 Hours at 1.0pps High power model has 50% operational life of standard product
Configuration	
Transmit frequency range	27-33 kHz
Receive frequency range	17-27 kHz
Turn around time	15/30/60mS dependent on channel
Transmit pulse width	1.5/10mS dependent on channel
Available channels	144
External inputs	
Connector type	VSG 4-PBC or ZSG 4-PBC
Responder key	Positive 5-25 volts
External power	22-35 vdc @ 80 mA
AAE change	Used with AAE 982 Smart Charger or PAM test set
Ground	Common Ground

Compatibility

		Available Channels	Transponder/Responder
Tracking System	Easytrak	20	Yes
	Simrad HPR300	14	Yes
	Simrad HPR400	14 + 56	Yes
	Simras HiPAP	56	Yes
	Sonardyne USBL	14	Yes
	ORE Trackpoint II	8	Yes
Pinger		5	
Emergency Pinger		37.5 kHz	
Test Channels		3	

Options

Survival depth to 4000m

Remote transducer

Protection cage

Depth sensor; 100m/300m/1000m/2000m/4000m

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