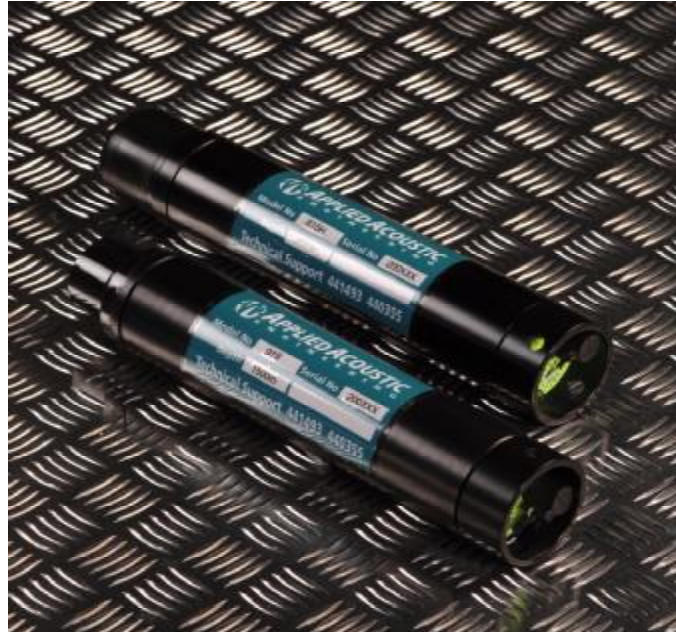


ACOUSTIC POSITIONING

MINI-BEACONS



With a choice of beam patterns – directional or omni-directional – and high power variants available as standard, AAE 915H (2000m), 916 and 919 models offer the user reliable tracking together with flexibility. The flexibility of easy frequency selection without needing to open the pressure housing and utilisation of existing chargers or ROV power. High power variants are also available with depth ratings of up to 4000 metres. As with all our Transponders, AAE Mini's are compatible with most of today's industry standard tracking systems. They are also easily externally configurable for use as Transponder, Responder or Pinger. Depth telemetry versions are also available.

Three basic types of Mini-beacons, with a choice of battery life:

Model 915: +/- 45 degrees	194dB.	69mmø x c. 370mm long
Model 916: +/- 60 degrees	192dB.	69mmø x c. 370mm long
Model 919: +/- 90 degrees	188dB.	69mmø x c. 355mm long
Model 915H: +/- 30 degrees	196dB.	69mmø x c. 370mm long

Depth rating to 1500 metres. (915H: 2000m).

Beacon standard physical specifications:

Weight in air/water	2.5kg/1.5 kg.
Housing material	Hard Anodised Aluminium.
ON/OFF switch	Rotary in lower end-cap.
Channel selection switches	Rotary in lower end-cap.
Number of channels	144 available. Some spare.



Transducer Protection
Cage Available

Electrical specifications:

Battery type	Rechargeable NiMH.
Operational life	28 hours at 1 reply/second. 96 hours at 1 reply/4 seconds. (915H has 60% of above life). (With 1.3mS pulse, life is 6 times greater – T2 & H'star).
Listening life	40 days.
Transmit frequency	27-33 kHz.
Receive frequency	17-27 kHz.
Turn around time	15/30/60 mS, dependant on channel.
Charging connector	VSG-4-BCL on end-cap.
Responder key	+ve 5 – 25 volts.
External power	22–35 vdc @ 120 mA.
Rx sensitivity	100 dB re 1 uPa typ.
Depth sensors	300m, 500m, 1000m and 2000m

Compatibility:

Channels/frequencies	HPR300:	14, transponder/responder.
	HPR400:	14+56, transponder/responder.
	HiPAP:	56, transponder/responder.
	Sonardyne USBL:	14, transponder/responder.
	ORE Trackpoint II:	11, transponder/responder. 5, pinger.
	Emergency Pinger:	37.5 kHz.
	Test Channels:	3.

Options: Higher Source Levels, Alkaline Battery Packs, Transducer Protection Cages, Chargers and Testers. These models are just a part of our comprehensive range of medium frequency acoustic positioning beacons. Please consult the factory or your local representative for further information.

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Due to continual product improvement these specifications may be subject to change without notice.