

ACOUSTIC POSITIONING

LOW FREQUENCY BEACONS



In the wake of the huge global success of the AAE 900 series of Medium Frequency Beacons, the 600 Series of multi-compatible Low Frequency Beacons were launched in 1999.

As with the 900 Series, the 600 Series of LF Beacons also offers unrivalled ease of use and compatibility with most industry standard LF tracking systems including; Simrad HPR 1507, HPR 410LF, ORE Trackpoint II LF and any other LF tracking systems capable of utilising the spare channels which are onboard all 600 Series beacons.

Operator intervention could not be easier as all adjustments are carried out via three external switches on the lower end cap. All models operate as transponders, responders or pingers and pre-deployment functionality testing may be easily carried out on-deck using an AAE PAM Tester/Charger set.

With a wide variety of beam patterns, battery options and remote transducer variants to choose from, isn't it time to supply your projects with the Applied Acoustics LF advantage?

Six basic types of Low Frequency Beacon:

Model 669:	± 90 degrees 191dB 710mm long.	50 hrs @ 0.5 Hz.
666:	± 60 degrees 196dB 780mm long.	25 hrs @ 0.5 Hz.
663:	± 30 degrees 199dB 800mm long.	25 hrs @ 0.5 Hz.
659:	± 90 degrees 191dB 1100mm long.	100 hrs @ 0.5 Hz.
656:	± 60 degrees 196dB 1100mm long.	50 hrs @ 0.5 Hz.
653:	± 60 degrees 199dB 1100mm long.	50 hrs @ 0.5 Hz.

Transponder physical specifications:

Diameter	125mm. 65x units have 178ø flange.
Cage	65x units have cage at each end. SWL = 250 kg.
Weight in air / water	66x: 15 kg/7 kg. 65x: 21 kg/11 kg.
Housing Material	Hard Anodised Aluminium.
Depth Rating	3000m/6000m.
ON/OFF switch	Rotary in lower end-cap.
Channel selectors	Rotary in lower end-cap. Spare channels available.

Electrical specifications:

Battery Type (standard)	Rechargeable Ni-cad.
Listening Life	66x: 60 days. 65x: 90 days.
Transmit Frequency	10 – 16 kHz.
Receive Frequency	9 – 12.5 kHz.
Charging Connector	VSG-4-BCL on end-cap.
Responder Key	+ve 3 - 25 volts.
External Power	22 - 35vdc.
Rx Sensitivity	90dB re 1 uPa typical.
Depth Sensors	1000m, 2000m and 4000m

Compatibility:

Channels/frequencies	HPP 1507:	5, transponder/responder.
	HPR400LF:	30 transponder/responder.
	ORE Trackpoint II (LF):	17, transponder/responder. 6, pinger.
	AAE PAM:	All the above.

Options: 6000m versions. Lithium/Alkaline battery packs. Remote Transducers. Chargers and Testers. Release Mechanisms. These models are just a part of our comprehensive range of 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.