

OSEAN
UNDERWATER TECHNOLOGY



UNDERWATER ACOUSTIC BEACONS

OSEAN has designed these beacons for Defence applications. OSEAN beacons allow to monitor divers, AUVs and to locate underwater sites. They are compact, reliable and cost-effective.

FEATURES

- Operating frequency, pulse length and pulse repetition rate adjustable on request
- Omni-directional beam pattern
- Rugged lightweight construction
- Durable and easy to use

TECHNICAL SPECIFICATIONS

37.5KHZ BEACON SPECIFICATIONS

Operating Frequency:	37.5kHz*
Beam pattern:	Omnidirectional @ ± 3 dB
Acoustic level:	> 160 dB ref μ Pa @ 1m
Pulse length:	From 1 to 10ms*
Pulse repetition rate:	From 1 to 20s*
Signal range:	> 1000m
Actuation/Off:	Water switch
Power source:	Rechargeable Li-ion battery
Operating life:	> 1 month
Self test feature:	Green LED signal
Operating Temperature:	+2°C to + 35°C
Storage Temperature:	- 20°C to + 70°C
Operating Depth :	150m
Survival Depth:	200m
Dimensions:	D60mm*L175mm
Weight in air:	< 500 g

8-12KHZ BEACON SPECIFICATIONS

Operating Frequency:	8-12kHz*
Directivity:	Omni-directional @ ± 3 dB
Level:	> 120 dB ref μ Pa @ 1m
Pulse length:	From 1 to 100ms*
Pulse repetition rate:	From 1 to 20s*
Signal range:	> 2000m
Actuation/Off:	On/Off switch
Power source:	Li battery
Operating life:	> 20 days
Operating Temperature:	+2°C to + 35°C
Storage Temperature:	- 20°C to + 70°C
Operating Depth :	100m
Survival Depth:	150m
Dimensions:	D100mm*L60mm
Weight in air:	< 800 g

* Factory adjusted to your specifications