

Model 4330B/4336B Multibeacon Transponder Responder

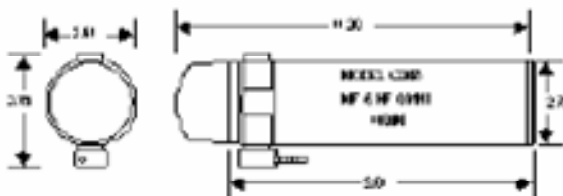


(left to right) ORE Model 4330B directional, Model 4337B, Model 4330B omnidirectional, Model 4350, Model 4330B directional (bottom) Model 4330B with remote 4325A transducer.

The **ORE Model 4330 Series Multibeacons** are the industry standard underwater responder/transponders used in conjunction with the ORE Trackpoint II acoustic tracking system, as well as other USBL systems. ORE Multibeacons combine versatility and performance to meet the most demanding underwater tracking requirements.

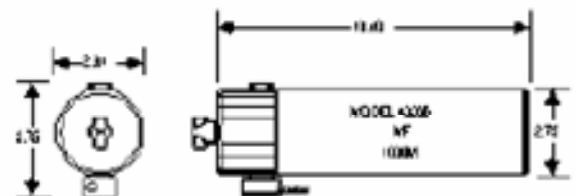
► Model 4330B Multibeacon with Integral Transducer

The standard Model 4330B Multibeacon features an integral omnidirectional transducer and is depth rated to 1000m. An optional directional transducer is available providing deeper/long range performance.



► Model 4336B Multibeacon with Remote 4325A Transducer

The Model 4336B Multibeacon with Remote Transducer is ideal for installations where size and mounting area are at a premium. The Model 4325A remote transducer head is streamlined to minimize drag while permitting the electronics section to be mounted inside the vehicle. This unit also interfaces with the 4325B remote directional transducer.

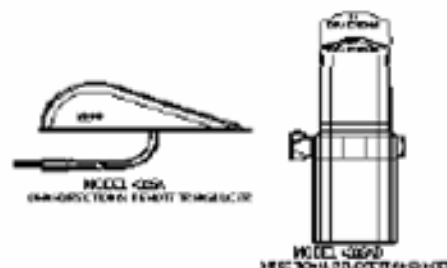


Applications:

- ROV Tracking & Navigation
- Sonar Towfish Navigation
- Subsea Structure Relocation
- Subsea Salvage Operations
- Diver Navigation
- Mooring Marking & Relocation
- Subsea Positioning
- Depth, Tilt, Heading Telemetry

► Remote Transducer Options

Remote transducer options exist in a variety of configurations to suit your unique installation



Model 4330B / 4336B Specifications

	Model 4330B	Model 4330B-D	Model 4336B	Model 4336B-D
Transmitter Output Power	80W	160W	80W	160W
Navigation Reply Frequencies	MF 23-30 kHz	LF 13,14 kHz MF 24-27 kHz	MF 24-27 kHz	LF 13,14 kHz MF 24-27 kHz
Source Level and Beam Pattern	187 dB re 1µPa at 1m, omnidirectional	195 dB re 1µPa at 1m, directional + 30° beam	Model 4325A Remote Transducer: 187 dB re 1µPa at 1m, omnidirectional	Model 4335A Remote Transducer: 195 dB re 1µPa at 1m, directional, +30°
Dimensions	2.75 in. diameter x 11.30 in. length	2.75 in. diameter x 13.20 in. length	2.75 in. diameter x 10.40 in. length	2.75 in. diameter x 10.40 in. length
Weight in Air	4.2 lbs.	5.5 lbs.	4.2 lbs. *	4.2 lbs. *
Weight in Water	1.8 lbs.	2.8 lbs.	1.8 lbs. *	1.8 lbs. *
Case Material	6061 Aluminum, hard coat anodized	6061 Aluminum, hard coat anodized	6061 Aluminum, hard coat anodized	6061 Aluminum, hard coat anodized
Depth Rating	1000m	1000m standard, 3000m optional	1000m	1000m standard, 3000m optional
Interrogation Frequency	17 or 19 kHz	20.5 or 22.5 kHz	17 or 19 kHz	20.5 or 22.5 kHz
Turnaround Time, Transponder / Responder	15 ms / 1 ms	15 ms / 1ms	15 ms / 1ms	15 ms / 1ms
Inhibit Time	1.8 or 3.6 seconds, field selectable	1.8 or 3.6 seconds, field selectable	1.8 or 3.6 seconds, field selectable	1.8 or 3.6 seconds, field selectable
Receiver Sensitivity	100 microvolts RMS	100 microvolts RMS	100 microvolts RMS	100 microvolts RMS
Battery Type	NiCad, rechargeable, 0.85 Amp Hr Rating	NiCad, rechargeable, 0.85 Amp Hr Rating	NiCad, rechargeable, 0.85 Amp Hr Rating	NiCad, rechargeable, 0.85 Amp Hr Rating
Battery Charger	Model 4324C	Model 4324C	Model 4324C	Model 4324C
Listening Life / Interrogations	5 days / 100,000	5 days / 60,000	5 days / 100,000	5 days / 60,000
Interrogations @ 2 sec Rate	175,000	105,000	175,000	105,000

* Does not include remote transducer
Specifications subject to change without notice.

Available Option:

- 3000m depth rating (directional units)
- Long life battery pack
- Low and high frequency reply frequencies



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