



# ARS-100 Acoustic Reference Source

- ◆ **User-selectable settings**
- ◆ **Deep and shallow versions**
- ◆ **Operational for 13 months**

## ***SPECIFICATIONS***

Acoustic Output Signal:	4kHz to 7kHz, CHIRP
Power Output:	Maximum 145.5db
Beam Pattern:	Omni-directional
Number of Chirps:	Programmable from 4 to 7
Interval between Chirps:	500ms, 1000ms
Output Signal on Time:	498ms
Signal Time-out:	Factory Programmable, 30 mins to 48 hours
Signal Time Drift:	0C to 40C = 1min/per year, -40C to 0C = 4min/per year
Power Source:	Alkaline Battery
Operating Life:	13 months
Activation:	Mechanical on/off Switch
Depth Rating	
ARS-100:	200M (660ft)
ARS-100D:	1000m (3280ft)
Housing	
ARS-100:	PVC
ARS-100D:	Aluminum Hard Anodized
Size	
ARS-100:	56cm(L) X 12.7cm(D)
ARS-100D:	56cm(L) X 12.7cm(D)

*Specifications are subject to change without notice*

The **ARS-100** Acoustic Reference Source is an underwater acoustic transmitter designed to provide an active marker when used with underwater sound recording devices. The ARS-100 includes user-programmable electronics in a 200 meter rated pressure housing with an omni-directional transducer. A deep water version is available, **ARS-100D**, which can operate up to 1,000 meters.

Battery operated, the ARS-100 and the ARS-100D have 16 user-selectable transmit modes, 8 test modes, and 8 chirp output modes. Once activated, via a mechanical switch, the ARS-100 will transmit an acoustic chirp signal every 30 minutes for up to 13 months. A high accuracy temperature controlled crystal controls the timing of the signal.



**ARS-100**



**ARS-100D**



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