

**T**HE MODEL 875 SHALLOW WATER ACOUSTIC RELEASE is a compact and rugged unit, designed for shallow coastal water requirements with light loads. The Model 875 is a cost effective way to acoustically recover your subsea packages. Compatible with the entire line of Benthos acoustic command units, the Model 875 is an ideal supplement to your coastal experiment tool kit.

The release is capable of supporting and releasing 90 kg (200 pounds). Lifetime is six months with standard units. Slant range capability is 10 km when used with the Benthos DS 7000 Deck Unit.

The release features an external on/off/rearm switch for quick reset and deployment. Opening the case between short-term deployments or tests is not necessary. At sea turnarounds typically take less than 20 minutes including battery replacement. The design incorporates a fiberglass strongback with top and bottom shackle points for conventional in-line moorings. The fiberglass strongback also allows customers the flexibility to mount the 875 into frames and other non-conventional mooring configurations.

#### ▶ FEATURES

- 1000 foot (305 meter) depth rating
- 200 pound (90 kg) load rating
- 6 month operating life
- Receive only acoustic operation
- Uses standard Benthos command structure

#### ▶ APPLICATIONS

The Benthos 875 Shallow Water Acoustic Release has been designed for shallow water, light load applications. The release is used with moored instrument arrays where reliability and ease of deployment are critical factors.

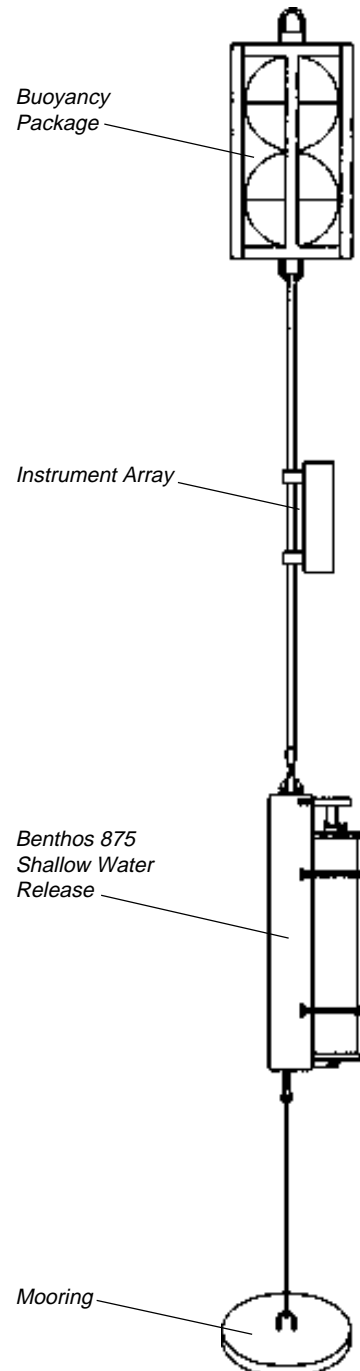


Optional DS 7000 Deck Unit

## MODEL 875 SHALLOW WATER ACOUSTIC RELEASE

### SPECIFICATIONS

<b>Load Capacity:</b>	90 kg (200 pounds) static load rating 5:1 safety factor for dynamic loading
<b>Depth Rating:</b>	305 meters (1000 feet). All units hydrostatically tested to rated pressure.
<b>Operating Range:</b>	10 km slant range with Benthos Deck Unit DS-7000. (See Data Sheet DS-7000.)
<b>Transducer Pattern:</b>	Essentially omnidirectional in both axes
<b>Receive Frequency:</b>	Factory set to one of the following: 7.0-15.0 kHz in 500 Hz increments.
<b>Release Codes:</b>	Secure digital frequency shift keying (FSK codes) permits reliable operation even in the presence of severe multi-path conditions. A total of 136 non-interfering codes are available which can be used as the release command.
<b>Release method:</b>	Motor driven actuator rotates pin upon receiving the correct command which allows the lever arm to swing free.
<b>Power Source:</b>	8 alkaline C-cells standard battery pack.
<b>Operating Life:</b>	Release after 6 months.
<b>Weight in Air:</b>	4.3 kg (9.5 pounds)
<b>Weight in Seawater:</b>	1.2 kg (2.7 pounds)
<b>Dimensions:</b>	47.9 cm (18 7/8 inches) overall length 15.9 cm (6 1/4 inches) x 10.2 cm (4 inches) width
<b>Accessories:</b>	Model 875-SL Spare Bottom Link Model 875-SB Spare Battery



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