

## MODEL 875 - PUB POP UP BUOY

*The Benthos Model 875-PUB Pop Up Buoy was jointly developed with Mooring Systems, Inc. of Cataumet, MA. The 875-PUB represents a low cost method for direct retrieval of seabed items via a recovery line actuated with an acoustic release.*

*The PUB design is modular in that additional flotation, longer line, or other release mechanisms can be substituted. Contact Benthos or Mooring Systems for additional details.*

*The 875-PUB is based on the Benthos Model 875 Shallow Water Acoustic Release. A separate detailed sheet is available for the Benthos 875 which should be reviewed for more details.*

### FEATURES

- Self-contained operation
- Lightweight
- 10 pounds positive buoyancy
- 6 month or 12 month battery options
- Multiple retrievals per battery
- Secure mechanical release mechanism

### APPLICATIONS

*The 875-PUB was designed to provide a low cost, rugged, seabed package recovery system. Retrieval of anchor pennant lines, bottom mounted instrumentation, array recovery, or any other device that can be tethered to the seabed with a recovery line are all possible applications for the 875-PUB.*



*Optional DS 7000 Deck Unit*



# MODEL 875-PUB POP UP BUOY SYSTEM

## ► SPECIFICATIONS

Depth Rating: 75 Meters (250 Feet) [Other depths available as special order]  
[Note: Depth limitation is rope and flotation limited]

Operating Range: Up to 10 Km slant range with the Benthos DS-7000 Deck Unit

Transducer Pattern: Essentially Omnidirectional in both axes

Receiver Frequency: 7.0-15.0 Khz in 500 Hz steps  
(factory set to customer's specification)

Release Codes: Secure digital frequency shift keying (FSK) codes permit reliable recovery operation even in the presence of severe multi-path conditions. A total of 136 unique commands are available.

Release Method: Motor driven actuator rotates upon receipt of the correct command which releases the buoyant portion of the 875.

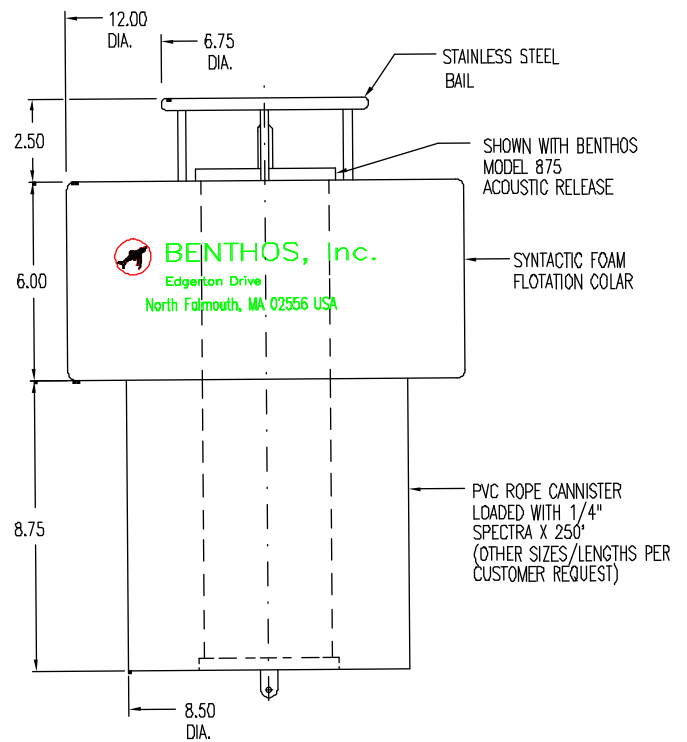
Power Source: Standard 6 month alkaline battery pack. Optional 12 month lithium battery pack

Weight in Air: 25 pounds (complete with 250 feet of Spectra Line)

Weight in Water: 10 pounds buoyant

Accessories: Model 875-SL Spare Link  
Model 875-SB Spare 6 month battery  
Model 875-SB/LI Spare 12 month battery

Dimensions: See illustration



Please contact Benthos for additional product information, delivery and pricing.

Specifications are subject to change without notice (10/97).  
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