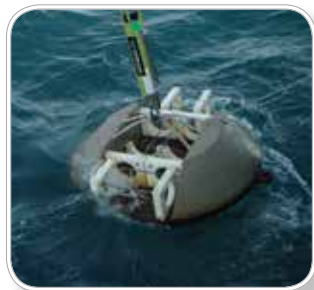


Benthos Acoustic Releases

Wireless Recovery of Subsea Devices



- SHALLOW
- MID
- DEEP
- WIRELESS
- PROVEN IN HARSH ENVIRONMENTS
- HIGHLY RELIABLE



Teledyne Benthos manufactures a wide range of Acoustic Releases for shallow, mid and deep water operations. Acoustic releases have been used for decades as a safe and reliable means of deploying and recovering critical subsea instrumentation. A secure acoustic command is sent from the topside unit to the subsea unit to release up to 25 tons of in-line instrumentation to the surface for recovery.

All of Teledyne Benthos acoustic releases can be operated from a universal topside unit, which provides access to a wide spectrum of system capabilities and diagnostics to ensure ease of operation and successful instrumentation recovery. With over 50 years of experience in undersea applications, Teledyne Benthos Acoustic Releases have become synonymous with quality and dependability, even in the harshest of environments.



Model 875-TD Shallow Water Release is a low cost, versatile acoustic release designed for recovery of underwater equipment in coastal and inland waters.



SPECIFICATIONS

Depth Rating	500 m (1,640 ft.)
Release Load Rating	180 kg (0.2 tons)
Lift Load Rating	455 kg (0.5 tons)
Actuation	High torque motor
Transponder Feature	Up to 3 km slant range
Range Accuracy	1 m
Release Confirmation	Yes (acoustic)
Tilt Indication Feature	–
Battery Life (receiver)	Up to 8 months
Battery Life (transmissions)	–
Factory Set Receiver (freq.)	9-14 kHz
Source Level (nominal)	167 dB ref 1 μ Pa @ 1m
Weight – In air	4.5 kg (10 lbs)
In water	1.4 kg (3 lbs)
Dimensions	48 cm (21 in) length 11.4 cm (4 in) dia.
Construction	PVC, fiberglass, (stainless steel) 875-TD
Accessories	875-TD Spare Battery (C-270-241-2) Battery Replacement Kit (includes O-Rings) (302949) 875 Drop Link (0220-008) Spare-Magnet (B-855-152)

Model 875-PUB Pop Up Buoy is configured with a syntactic flotation collar and line canister to mark and recover seabed equipment. 75 m 1/4" spectra line standard 2995 kg (6,600 lbs), other line lengths and diameters available.



Model R2K Mid-Water Acoustic Transponding Release is a full function acoustic release in a rugged and compact stainless steel housing for use in depths to 2000 meters and loads up to 2000 kg.



The R12K Deep Water Acoustic Transponding Release is designed for full ocean depth mooring recovery applications requiring a rugged stainless steel package and 4540 kg load handling. The R12K offers the reliability of the 865 series with more advanced features.



Model HD Load Multiplier for Deep Releases is a secondary arm to provide a 5:1 mechanical advantage when used on any Deep Release. This 22,600 kg rated device is used for deployment of anchors and underwater construction applications.



305 m (1,000 ft)	2,000 m (6,562 ft.)	12,000 m (39,370 ft.)	12,000 m (39,370 ft.)
200 lbs static	2,000 kg (2.43 tons)	5,000 kg (5 tons)	22,600 kg (24.9 tons)
–	2,000 kg (2.43 tons)	5,000 kg (5 tons)	22,600 kg (24.9 tons)
High torque motor	High torque motor	High torque motor	–
N/A	5-10 km slant range	Up to 12 km slant range	–
N/A	–	–	–
–	Positive via digital signal	Positive via digital signal	–
–	0-180° in 1° increments	0-180° in 1° increments	–
6 months (1 yr. w/lithium)	4 years	4 years	–
–	4 years	4 years	–
7-15 kHz	9-14 kHz	9-14 kHz	–
–	185 dB ref 1 μPa @ 1m typical	185 dB ref 1 μPa @ 1m typical	–
15 kg (34 lbs) 7 kg (15 lbs) positive	18 kg (40 lbs) 13 kg (29 lbs)	36 kg (80 lbs) 28 kg (62 lbs)	121 kg (268 lbs) 104 kg (230 lbs)
55.1 cm (21.7 in) length 39.4 cm (15.5 in) dia. collar	66 cm (26 in) length 15 cm (6 in) dia. housing	93.7 cm (36.9) length 16.4 cm (6.4 in) dia. housing	126 cm (47.1 in) length 46 cm (19 in) width (Dim. are w/releases attached)
PVC, syntactic foam	stainless steel (ferrallium 255)	stainless steel (17-4 PH)	stainless steel (17-4 PH) high strength carbon steel
875-SB Alkaline Battery (C-270-241-1)	R2K Alkaline Battery (C-270-388)	R12K Alkaline Battery (C-270-388)	008847 Drop Link
Battery Replacement Kit (includes O-Rings) (302950)	866-SL Drop Link (A-855-124)	Drop Link (B-855-186)	–
875-LI-SB Lithium Battery (B-855-157)	866-BA Bar Anode (A-855-139)	R12K Bar Anode (A-855-82-1)	
Spare Magnet (B-855-152)	866-A Tandem Release Mounting Kit (B-855-197)	R12K ORING Kit (865-ORING-Kit)+	
	866-ORING Kit (866-ORING-Kit)		

