

Teledyne Benthos

R12K

Acoustic Transponding Release

Reliable to Full Ocean Depth

TELEDYNE BENTHOS manufactures a wide range of Acoustic Releases for shallow water and deep sea equipment recovery. All of our releases can be operated from our deck boxes, giving users wireless topside control over their subsea devices. With over 50 years of experience in undersea applications, Teledyne Benthos Acoustic Releases deliver exceptional performance in harsh environments.

The Model R12K Deep Sea Acoustic Transponding release is the first product in our release line to benefit from our new electronics architecture. This new architecture provides new features and establishes the R12K as the most technologically sophisticated release in its class. Battery voltage and percent remaining indicators are complemented by a tilt accuracy indicated in one degree increments. With a positive indication of release status, operators have complete awareness of the condition of their releases.

While new electronics improve the user experience, the trusted and proven Benthos release mechanical design has not changed. The R12K is still designed for full ocean depth mooring recovery applications with a rugged stainless steel package and a 5000kg load rating. Every release is tested to full ocean depth. The R12K combines proven reliability and state of the art electronics for the best user experience.



R12K
Acoustic Release

PRODUCT FEATURES

- Battery voltage indication, including % remaining, available on command
- Unit tilt measurement 0-180° (+/- 1%) available on command
- Positive confirmation of release status on command
- Tested to the fully rated 12,000 meter depth



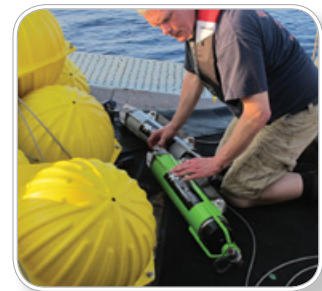
TELEDYNE BENTHOS
Everywhere you look™

R12K

Acoustic Transponding Release

TECHNICAL SPECIFICATIONS

Depth	Down to 12,000 meters (39,370 ft)
Battery life	4 years
Weight	In Air 36 kg (80 lbs) In Water 28 kg (62 lbs)
Acoustic slant range	Up to 12 km (7.5 mi)
Frequency	9-14 kHz (Broadband)
Transducer pattern	Omnidirectional from upper hemisphere
Lift	4,540 kg (5 tons)
Load	4,540 kg (5 tons)
Construction	Stainless steel (17-4 PH)
Tilt Sensor	0-180° in 1° increments



Distinctive Features

- Battery status is indicated in both actual voltage and energy percent remaining, providing the best indication of remaining service life
- Tilt status is indicated to the nearest degree, ensuring the orientation of subsea systems is fully known
- Field replaceable batteries minimize the need for factory service
- Class leading working load enables wider application to ocean operations
- Each release is fully tested to 12,000 meters depth

