Teledyne Benthos

R2K / R12K

Next Generation Acoustic Transponding Releases

Mid-Water / Full Ocean Depth

With over 50 years of experience in undersea applications, Teledyne Benthos Acoustic Releases have a long-standing reputation for delivering exceptional performance in the harshest of environments.

The NEW next generation Model R2K Mid-Water and R12K Deep Water Acoustic Transponding releases represent the latest in Teledyne Benthos acoustic release technology. The newly implemented electronics architecture provides leading-edge features, establishing this line as the most technologically sophisticated in its class.

While new electronics improve the user experience, the trusted and proven Benthos release mechanical design has not changed, providing users with the best of both worlds.

All Teledyne releases can be operated from the new UTS 9400 Universal Top Side or with updated firmware on our UDB-9400, providing flawless user-friendly wireless topside control over our subsea devices.

R2K
Acoustic Release

R12K
Acoustic Release

PRODUCT FEATURES

- Every R-Series release is tested to its rated depth ensuring system reliability.
- Battery status is indicated in both actual voltage and energy percent remaining, providing the best indication of remaining service life.
- Field replaceable batteries minimize the need for factory service.
- Unit tilt measurement 0-180° (+/- 1%) available on command, ensuring the exact orientation of your subsea system is fully understood.
- Positive confirmation of release status on command allows for complete situational awareness.

TELEDYNE BENTHOS
Everywhereyoulook™

A Member of Teledyne Marine

R2K / R12K

Next Generation Acoustic Transponding Releases

TECHNICAL SPECIFICATIONS

R2K Acoustic Release

Depth		2,000 meters (6,562 ft)
Lift / Load Rating		2200 kg (2.2 tons)
Actuation		High torque motor
Acoustic Slant Range		Up to 2 km (1 mi)
Release Confirmation		Positive via digital signal
Tilt Sensor		0-180° in 1° increments
Battery Life		4 years (receive & transmit)
Frequency		9-14 kHz (Broadband)
Transducer Pattern		Omnidirectional from upper hemisphere
Total Energy		185 db ref uap @ 1m typical
Construction		Stainless steel (Ferralium 255)
Weight	In Air In Water	18 kg (40 lbs) 13 kg (29 lbs)
Dimensions	Length Diameter	66 cm (26 in.) 15 cm (6.0 in.)

R12K Acoustic Release

Depth		12,000 meters (39,370 ft)
Lift / Load Rating		5,000 kg (5.5 tons)
Actuation		High torque motor
Acoustic Slant Range		Up to 12 km (8 mi)
Release Confirmation		Positive via digital signal
Tilt Sensor		0-180° in 1° increments
Battery Life		4 years (receive & transmit)
Frequency		9-14 kHz (Broadband)
Transducer Pattern		Omnidirectional from upper hemisphere
Total Energy		185 db ref uap @ 1m typical
Construction		Stainless steel (17-4 PH)
Weight	In Air In Water	33 kg (70 lbs) 25 kg (55 lbs)
Dimensions	Length Diameter	93.7 cm (36.9 in.) 16.4 cm (6.4 in.)

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