



OCEANO

COASTAL ACOUSTIC RELEASE & TELECOMMAND

The cost-effective and reliable OCEANO 500 Coastal Acoustic Release is built in a strong aluminium housing and has a well-proven release mechanism and command coding.

FEATURES

- Reliable
- Small and lightweight
- Off-the-shelf batteries and rugged construction
- Dedicated TT701 telecommand (TT801 compatible)

BENEFITS

- Safety of the mooring (command coding and release mechanism)
- Easy to use and fast to operate
- Low or no maintenance
- Low cost, compatible with existing deck set units



APPLICATIONS • Oceanographic coastal measurements • Trawl-resistant mooring frame actuator
• Shallow water remote controlled operations • River and lake moorings

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TECHNICAL SPECIFICATIONS

OCEANO 500 / MAIN SPECIFICATIONS

| | |
|----------------------------|--|
| SWL * | 500 kg |
| RL ** | 200 kg |
| TL *** | 1,000 kg |
| Depth rating | 400 m |
| Release mechanism | DC motor driven |
| Command coding | compatible with TT701 and TT801 units secure FSK 2 state, one way communication |
| Frequency range | 8 ~16 kHz |
| Power supply | 'C' size alkaline off-the-shelf batteries (1 year life @ 20 °C)**** |
| Housing | Aluminium alloy. Hard anodized + epoxy paint |
| Weight in air/water | 6.5 / 2 kg |
| Dimensions (L x Ø) | 564 x 140 mm |

* SWL (Safe Working Load): The maximum static or dynamic load that can be supported by the instrument in normal operating conditions with no release command in progress.

** RL (Release Load): The maximum load that can be supported by the hook while it is activated (DC motor rotating).

*** TL (Test Load): The maximum load that can be supported by the instrument without permanent damage or water ingress.
(not to be used in normal operation mode).

**** Option lithium batteries (2years life)

TT701 / MAIN SPECIFICATIONS

ACOUSTICS

| | |
|--------------------------------|--|
| Frequency range | 8 ~16 kHz |
| Source Level | 190 dB ± 4 dB, re.1µPa@1m |
| Transducer beam pattern | Omni-directional ± 3 dB |
| Command coding | Secure 2 states FSK 8-bit words. More than 30,000 unique codes |

POWER SUPPLY

| | |
|--------------------------|--|
| Battery / Charger | External 110 or 230 VAC (built-in battery and charger) |
|--------------------------|--|

MECHANICAL

| | |
|-------------------------------|---|
| Environment | P65 splashproof plastic cabinet |
| Dimensions (L x W x H) | 356 x 269 x 157 mm |
| Weight | 6 kg |
| Transducer weight | 4 kg, standard dunking transducer and 15 m long cable (optional 30 m long cable) |