

DEEPSEA ACOUSTIC RELEASE TOS-12.70

Purpose: : Provides lifting of underwater equipment to the sea surface

Principle of operation: Vessel acoustic system sends command through hydroacoustic channel to the acoustic module of TOS-12.70, the command is passed to the release. The release sets free the anchor, underwater equipment floating up the sea surface by means of its buoyancy



Features

- small-size solid construction
- working depth up to 1500(6000)m
- working load 70 kg
- acoustic module and release are separated
- release can be supplied separately and controlled by external equipment
- accumulators are charging without dismantling



Acoustic module



Release



SEATECHRIM

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Specifications

| Acoustic module | |
|--------------------------------|---|
| Working depth | 1500 (6000m) |
| Frequency range | 16-19 kHz |
| Number of acoustic addresses | 120 |
| Vessel acoustic system | AHRS |
| Acoustic range | not less then 1700 (8000)m |
| Construction | Stainless steel 12X18H10T (AISI 321) |
| Accumulators | lithium-polymeric ICGP5/43/140 Li-ion analogues - Trustfire 14500, Cytac 14500) |
| Voltage | nominal -10VDC |
| | minimum -7 VDC |
| | maximum -12VDC |
| Electric current | 120mA typical (9VDC, no load) at 250C |
| | 170mA typical (6,5VDC, maximum load) at 250C |
| Waterproof connector | 4 pin, Impulse RMG-4-BCL or by order |
| Mating waterproof connector | 4 pin, Impulse XSG-4-FS or by order |
| Dimensions (Height x Diameter) | 230mm x85mm/345mm x 85 mm |
| Weight in air | 3,2 kg/4,8 kg |
| Working without recharging | 1 year/2 years |

| Release | |
|--|---|
| Working depth | 6000 m |
| Working load | 70 kg |
| Breaking load | 300 kg |
| Construction | Stainless steel 12X18H10T (AISI 321) |
| Power by acoustic module or external equipment | 6VDC-12 VDC |
| Actuation checking | magnetic reed switch |
| Waterproof connector | 4 pin, Impulse XSG-4-FS or by order |
| Mating waterproof connector | 4 pin, Impulse RMG-4-BCL or by order |
| Leaktightness | Oil M5 |
| Dimensions (Height x Diameter) | 230 mm x 85 mm |
| Weight in air | 3,25 kg |



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