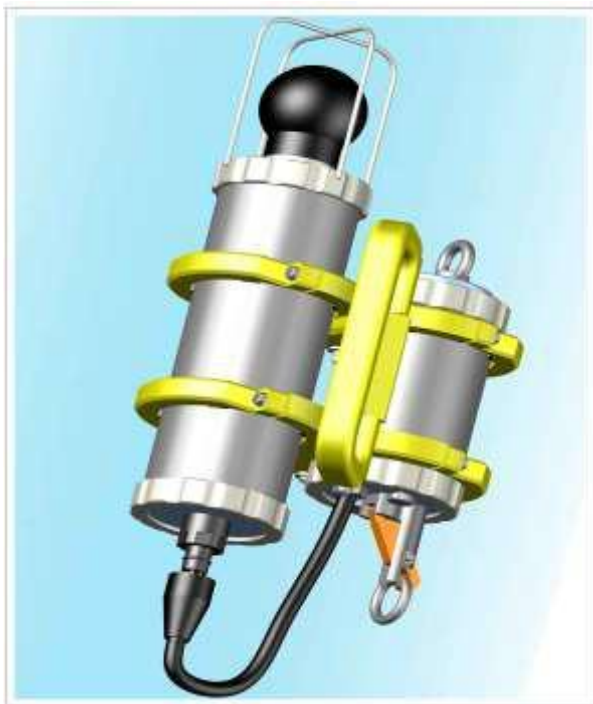


DEEPSEA ACOUSTIC RELEASE TOS-12.70

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 than 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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