

DOUBLE DEEPSEA ACOUSTIC RELEASE TOS-D6000-12.150

Purpose: Releasing of underwater equipment from its anchor by hydro acoustic command

Principle of operation: Vessel Release Control Unit sends sonar signal to each of two acoustic releases. The acoustic module passes the command to its release.

The release actuating mechanism sets free the anchor, underwater equipment floating up the sea surface by means of its positive buoyancy force Release motor boot is filled with nonflammable dielectric polymethylsiloxane fluid with compensator. Acoustic module housing is dry and waterproof.



Features

- two acoustic releases in one frame
- working depth up to 6000m
- working load for each release 150 kg
- acoustic module and release have separate design
- release can be supplied separately and controlled by external equipment
- double reservation for increasing reliability of floating of anchored equipment



SEATECHRIM

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Specifications

Features	Data
Maximum operating depth, m	6000
Maximum anchor load in air, kg	1000
Ultimate load for turn-buckle in air, kg	1800
Working load for turn-buckle in air, kg	600
Working load for release mechanism, kg	150
Dimensions, sm	283x226x48 5
Weight in air, kg	26
Acoustic frequency range, kHz	7,5-12.5
Maximum acoustic range, m	8000
Signals of commands	FM code
Respond Signals	single pulse
Pulse duration (ms)	60
Diagram of direction, degree	120
Release control unit	LTVA.304313.001 (SEATECHRIM)
Construction	Stainless steel 12X18H10T (AISI 321)
Power cells	Lithium ER14250-AX3.6V EEMB and ER14505-AX3.6V EEMB
Voltage (for control of each release mechanism)	nominal -10,5VDC
	minimum -6 VDC
	maximum -15VDC
Electric current (for each)	100mA typical (6VDC) at 25 ⁰ C
	200 mA typical (15VDC) at 25 ⁰ C
Waterproof connector	Impulse XSG-4-BCL, RMG-4-FS
Leaktightness	Oil M5 Polydimethylsiloxan
Maximum autonomous working period for release operation	40 months



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