

ΕΛΛΗΝΙΚΟΣ ΝΗΟΓΝΩΜΩΝ
HELLENIC REGISTER OF SHIPPING

25518/07/AVK

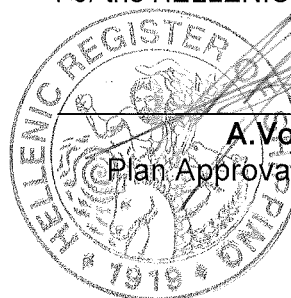
TYPE APPROVAL CERTIFICATE

This is to certify that following product/s has been evaluated in accordance with the provisions of the TYPE APPROVAL SYSTEM of this society with satisfactory results and is **TYPE APPROVED** subject to the conditions of this systems with particulars as follows:

Manufacturer	STD International Boulevard de l' Humanite, 415 B-1190 Brussels Belgium
Product/s description	Ultrasonic Sound Detector and Transmitter
Type/s	SHERLOG
Specified regulations/standards	HRS rules, Part 8, Chapter 1, Section 7 "TYPE TEST SPECIFICATIONS" tests Nos: 1,2,3,4,6,11,13,16
Reference Documents	-As per attached list-
Field of application	Testing of marine, offshore and industrial weather tightness of hatch covers, doors, ramps, windows and similar appliances required to be weather tight by the Load Line Convention
Approval Conditions	<ul style="list-style-type: none">• The approval is based on the Reference Documents referred on the attached list• Operation of the above equipment should be performed by a skill full operator specially trained.• H.R.S. reserves the right to cancel or withdraw this HRS Type Approval Certificate in accordance with the HRS Type Approval System Procedure• This certificate extends the validity of HRS Type Approval Certificate 15916/01/IJM/15.10.2001 as shown below:

This certificate is valid until: 26 March 2012

Piraeus, 27 March 2007
For the HELLENIC REGISTER OF SHIPPING



A.Vondas
Plan Approval & Eng. Division Director



**ATTACHED LIST OF CONSIDERED DOCUMENTATION
FOR THE TYPE APPROVAL CERTIFICATE No 25518/07/AVK
OF SHERLOG EQUIPMENT**

	DOCUMENT	DESCRIPTION
1.	ANPI Test Report ELC EMC/233-2001.02.21	Basic environmental-Transmitter and Receiver (Humidity test)
2.	ANPI Test Report ELC EMC/230-2001.02.21	Electromagnetic compatibility-Transmitter
3.	ANPI Test Report ELC EMC/227-2001.02.21	Electromagnetic compatibility-Receiver
4.	ANPI Test Report ELC EMC/244-2001.02.21	Basic environmental-Transmitter and Receiver (Cold and IP test)
5.	Keithley Certificate of calibration	Dated 1/3/2001
6.	Tektronix Certificate of calibration	Dated 15/2/2001
7.	SDT parts list FUBATAD8MG	Parts list Battery adapter and PCB drawing
8.	STD parts list FUPS8MGEU	Parts list battery charger 240VEU
9.	SDT parts list FUSDT8MSMG	Parts list transmitter with mechanical drawings, PCB drawings and electronic schemes
10.	STD parts list FUPS170MG	Parts list power supply with PCB drawings with PCB drawings and electronic schemes
11.	STD parts list FU170BATPACK	Parts list battery pack receiver with PCB drawings and electronic schemes
12.	STD parts list FU170MG	Part list receiver with mechanical drawings, PCB drawings and electronic schemes
13.	SDT Development Software for 170 and Sherlog List of files	List of software files with name of file, author, version and date of last entry
14.	LLOYD'S Inspection and surveillance of Production Facilities	Lloyd's report dated 29/03/2001