


LITHIUM CELLS OR BATTERIES TEST SUMMARY
IN ACCORDANCE WITH SUB-SECTION 38.3
OF MANUAL OF TEST AND CRITERIA

BATTERY TRANSPORTATION INFORMATION

Name of battery : Item Number : 421361 Item Name : Battery Pack f/PX MultiSensor Mk2 Item Description : Assembled battery (LiFePO4)		Battery manufacturer's contact information : Kongsberg Maritime Strandpromenaden 50 3190 Horten Norway +47 33034000 www.simrad.com																									
Name of the test laboratory : Ansmann AG Industriestraße 10 97959 Assamstadt Germany +49 (0) 6294 / 4204 - 4808 www.ansmann.de		Test report id. number: TZ_000008_UN	Date of the test report: 23.08.2012																								
Description of battery: This Battery is used in the following PX Trawl Sensors: PX MultiSensor MK2 Battery type : Lithium Ion (LiFePO4) Battery energy : 58 Wh Battery dimensions : l: 180 / h: 60 / w: 80 [mm] Battery weight : 0.88 kg		List of tests conducted and results (i.e. pass/fail) : <table style="width: 100%; border-collapse: collapse;"> <tr> <td style="width: 15%;">Test T.1</td> <td style="width: 60%;">: Altitude Simulation</td> <td style="width: 25%;">: Pass</td> </tr> <tr> <td>Test T.2</td> <td>: Thermal test</td> <td>: Pass</td> </tr> <tr> <td>Test T.3</td> <td>: Vibration</td> <td>: Pass</td> </tr> <tr> <td>Test T.4</td> <td>: Shock</td> <td>: Pass</td> </tr> <tr> <td>Test T.5</td> <td>: External short circuit</td> <td>: Pass</td> </tr> <tr> <td>Test T.6</td> <td>: Impact/Crush</td> <td>: Not applicable</td> </tr> <tr> <td>Test T.7</td> <td>: Overcharge</td> <td>: Pass</td> </tr> <tr> <td>Test T.8</td> <td>: Forced discharge</td> <td>: Not applicable</td> </tr> </table> Additional testing comments :		Test T.1	: Altitude Simulation	: Pass	Test T.2	: Thermal test	: Pass	Test T.3	: Vibration	: Pass	Test T.4	: Shock	: Pass	Test T.5	: External short circuit	: Pass	Test T.6	: Impact/Crush	: Not applicable	Test T.7	: Overcharge	: Pass	Test T.8	: Forced discharge	: Not applicable
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Reference to assembled battery testing requirements, (i.e. 38.3.3 (f) and 38.3.3 (g)) : Not applicable	Reference to revised edition of the Manual of Tests and Criteria : Revision 5	Does the battery comply with the 30% state of charge (SOC) : Yes																									
PRODUCT CLASSIFICATION FOR TRANSPORT (According to UN - DGP)																											
UN Classification : UN 3480		Shipping name : Lithium Ion batteries																									
Signature (name and title) : Thor Bærhaugen /  Product Manager Catch Monitoring System		This document remains valid as long as no changes, modifications, or additions are made to the battery described in this document, after being transported from Kongsberg Maritime's facilities. This battery has been classified according to the applicable transport regulations and the UN Manual of Tests and Criteria as of the date of certification. The battery must be packed, labeled and documented according to country and other international regulations for transportation.																									
Date : 09.12.2019																											