


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

BATTERY TRANSPORTATION INFORMATION

| | | | |
|---|--|--|--|
| <p><i>Name of battery :</i></p> <p>Item Number : 418811 Item Name : Battery Pack for PX Universal Item Description : Assembled battery (LiFePO4)</p> | | <p><i>Battery manufacturer's contact information :</i></p> <p>Kongsberg Maritime Strandpromenaden 50 3190 Horten Norway +47 33034000 www.simrad.com</p> | |
| <p><i>Name of the test laboratory :</i></p> <p>Ansmann AG Industriestraße 10 97959 Assamstadt Germany +49 (0) 6294 / 4204 - 4808 www.ansmann.de</p> | | <p><i>Test report id. number:</i></p> <p>TZ_000008_UN</p> | <p><i>Date of the test report:</i></p> <p>23.08.2012</p> |
| <p><i>Description of battery:</i></p> <p>This Battery is used in the following PX Trawl Sensors: PX MultiCatch. PX Universal.</p> <p>Battery type : Lithium Ion (LiFePO4) Battery energy : 58 Wh Battery dimensions : l: 156,5 / h: 60 / w: 80 [mm] Battery weight : 0.88 kg</p> | | <p><i>List of tests conducted and results (i.e. pass/fail) :</i></p> <p>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</p> <p><i>Additional testing comments :</i></p> | |
| <p><i>Reference to assembled battery testing requirements, (i.e. 38.3.3 (f) and 38.3.3 (g)) :</i></p> <p>Not applicable</p> | <p><i>Reference to revised edition of the Manual of Tests and Criteria :</i></p> <p>Revision 5</p> | <p><i>Does the battery comply with the 30% state of charge (SOC) :</i></p> <p>Yes</p> | |
| PRODUCT CLASSIFICATION FOR TRANSPORT (According to UN - DGP) | | | |
| <p><i>UN Classification :</i></p> <p>UN 3480</p> | | <p><i>Shipping name :</i></p> <p>Lithium Ion batteries</p> | |
| <p><i>Signature (name and title) :</i></p> <p>Thor Bærhaugen /  Product Manager Catch Monitoring System</p> | | <p><i>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.</i></p> <p><i>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.</i></p> <p><i>The battery must be packed, labeled and documented according to country and other international regulations for transportation.</i></p> | |
| <p><i>Date :</i></p> <p>09.12.2019</p> | | | |