


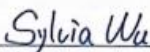
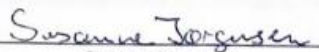


CLONASLEE FLOOD RELIEF SCHEME

Appendix 14.1: Noise Calibration Certificates

MDW0867
S5 P01
19 May 2025

 HOTTINGER BRÜEL & KJÆR The Calibration Laboratory Teknikerbyen 28, DK-2830 Virum, Denmark				 DANAK CAL Reg.No. 357 Member of EA MLA	
CERTIFICATE OF CALIBRATION			No: CDK2302913		Page 1 of 12
CALIBRATION OF					
Sound Level Meter:	Brüel & Kjær Type 2250	No: 2690265	Id: -		
Microphone:	Brüel & Kjær Type 4189	No: 2748694			
Pre-Amplifier:	Brüel & Kjær Type ZC-0032	No: 15279			
Calibrator:	Brüel & Kjær Type 4231	No: 2389038			
Software version:	BZ7224 Version 4.7.5	Pattern Approval:	PTBDE-16-M-PTB-0038 Rev 2 / DE-16-M-PTB-0039 Rev 2		
Instruction manual:	BE1712-22				
CUSTOMER					
RPS Group Ltd. Knockstown Summerhill A83CD30 Co. Meath Ireland					
CALIBRATION CONDITIONS					
Preconditioning:	4 hours at 23°C ± 3°C				
Environment conditions:	See actual values in <i>Environmental conditions</i> sections.				
SPECIFICATIONS					
The Sound Level Meter Brüel & Kjær Type 2250 has been calibrated in accordance with the requirements as specified in IEC 61672-1:2013 class 1. Procedures from IEC 61672-3:2013 were used to perform the periodic tests. The accreditation assures the traceability to the international units system SI.					
PROCEDURE					
The measurements have been performed with the assistance of Brüel & Kjær Sound Level Meter Calibration System 3630 with application software type 7763 (version 8.6 - DB: 8.60) by using procedure B&K proc 2250, 4189 (IEC 61672:2013).					
RESULTS					
Calibration Mode: Calibration as received.					
The reported expanded uncertainty is based on the standard uncertainty multiplied by a coverage factor $k = 2$ providing a level of confidence of approximately 95 %. The uncertainty evaluation has been carried out in accordance with EA-4/02 from elements originating from the standards, calibration method, effect of environmental conditions and any short time contribution from the device(s) under calibration. The results are only applicable for the specific device(s) listed above.					
Date of calibration: 2023-04-20			Date of issue: 2023-04-20		
 Sylvia Wu Andersen Calibration Technician			 Susanne Jørgensen Approved Signatory		
Reproduction of the complete certificate is allowed. Parts of the certificate may only be reproduced after written permission.					

 <p>HBK <small>HOTTINGER BRÜEL & KJÆR</small></p> <p><small>The Calibration Laboratory Teknikerbyen 28, DK-2830 Virum, Denmark</small></p>		 <p><small>CAL Reg. No. 307 Member of EA MLA</small></p>									
<div style="display: flex; justify-content: space-between;"> <div> <p>CERTIFICATE OF CALIBRATION</p> <hr/> <p>CALIBRATION OF</p> </div> <div> <p>No: CDK2302877</p> </div> <div> <p>Page 1 of 6</p> </div> </div>											
<table border="0" style="width: 100%;"> <tr> <td style="width: 33%;">Calibrator:</td> <td style="width: 33%;">Brüel & Kjær Type 4231</td> <td style="width: 33%;">No: 2389038 Id: -</td> </tr> <tr> <td>Acoustical Adaptor:</td> <td colspan="2">Brüel & Kjær Type UC-0210 (1/2" Adaptor)</td> </tr> <tr> <td>Pattern Approval:</td> <td colspan="2">None</td> </tr> </table>			Calibrator:	Brüel & Kjær Type 4231	No: 2389038 Id: -	Acoustical Adaptor:	Brüel & Kjær Type UC-0210 (1/2" Adaptor)		Pattern Approval:	None	
Calibrator:	Brüel & Kjær Type 4231	No: 2389038 Id: -									
Acoustical Adaptor:	Brüel & Kjær Type UC-0210 (1/2" Adaptor)										
Pattern Approval:	None										
<p>CUSTOMER</p> <hr/> <div style="text-align: right; padding-right: 50px;"> <p>RPS Group Ltd. Knockstown Summerhill A83CD30 Co. Meath Ireland</p> </div>											
<p>CALIBRATION CONDITIONS</p> <hr/> <p>Preconditioning: 4 hours at 23°C ± 3°C</p> <p>Environment conditions: <i>See actual values in Environmental conditions section.</i></p>											
<p>SPECIFICATIONS</p> <hr/> <p>The Calibrator Brüel & Kjær Type 4231 has been calibrated in accordance with the requirements as specified in IEC 60942:2017 Annex B - Microphone method. The accreditation assures the traceability to the international units system SI.</p>											
<p>PROCEDURE</p> <hr/> <p>The measurements have been performed with the assistance of Brüel & Kjær Calibrator Calibration System 3630 with application software type 7763 (version 8.6 - DB: 8.60) by using procedure P_4231_4180_M01.</p>											
<p>RESULTS</p> <hr/> <p>Calibration Mode: Calibration as received.</p> <p>The reported expanded uncertainty is based on the standard uncertainty multiplied by a coverage factor $k = 2$ providing a level of confidence of approximately 95 %. The uncertainty evaluation has been carried out in accordance with EA-4/02 from elements originating from the standards, calibration method, effect of environmental conditions and any short time contribution from the device(s) under calibration. The results are only applicable for the specific device(s) listed above.</p>											
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