CLONASLEE FLOOD RELIEF SCHEME

Appendix 14.1: Noise Calibration Certificates

MDW0867
S5 P01
19 May 2025

HBK HOTTINGER BRÜEL & KJÆR

The Calibration Laboratory
Teknikerbyen 28, DK-2830 Virum, Denmark

ilac-MRA DANAK CAL Reg.No. 307 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	
PreAmplifier:	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 **Environmental conditions** 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
Sylvia Wu Andersen
Calibration Technician

Susanne Jørgensen
Susanne Jørgensen
Approved Signatory

HBK HOTTINGER BRÜEL & KJÆR

The Calibration Laboratory
Teknikerbyen 28, DK-2830 Virum, Denmark

ilac-MRA DANAK CAL Reg.No. 307 Member of EA MLA

CERTIFICATE OF CALIBRATION

No: CDK2302877 Page 1 of 6

CALIBRATION OF

Calibrator:	Brüel & Kjær Type 4231	No: 2389038 Id: -
Acoustical Adaptor:	Brüel & Kjær Type UC-0210 (1/2" Adaptor)	
Pattern Approval:	None	

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 **Environmental conditions** section.*

SPECIFICATIONS

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.

PROCEDURE

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.

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: 2023-04-19

Date of issue: 2023-04-19

Morten Høngård Hansen
Calibration Technician

Susanne Jørgensen
Approved Signatory