

Unit 5 Ward Road, Mount Farm, Bletchley, Milton Keynes, MK1 1JA  
 Tel: 01908 373333 sales@mkscales.co.uk www.mkscales.co.uk

## CALIBRATION CERTIFICATE

Customer	Hunts Kart Racing Club Limite	Make	Locosc	Certificate No	21604
Address	The Airfield	Model	LP7510 / PW	Test Date	12/03/2020
	Stow Longa	Serial No	2016014036	Test Next Due	11/03/2021
	Kimbolton	Capacity	1000 Kg		
Post Code	PE28 0HU	Division	200 g		
Contact Name		Location	Site		

The following calibration tests have been carried out using weights traceable to the National Physical Laboratory Standards of Mass. Uncertainties quoted provide a level of confidence of approximately 95%.

### LINEARITY AND HYSTERESIS

LOAD	As Found		Definitive	
	Reading	Error	Reading	Error
Zero	Zero	Zero	Zero	Zero
125000 g	124800g	-200 g	125000 g	0 g
255000 g	254600 g	-400 g	255000 g	0 g

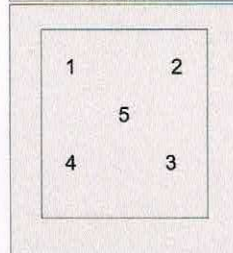
### REPEATABILITY

LOAD	As Found Reading		Definitive	
	Reading	Error	Reading	Error
130000 g	n/a		130000 g	0 g
130000 g			130000 g	0 g
130000 g			130000 g	0 g

### ECCENTRIC LOADING

Test Points	As Found		Definitive	
	Reading	Error	Reading	Error
1	n/a		130000 g	0 g
2			130000 g	0 g
3			130000 g	0 g
4			130000 g	0 g
5			130000 g	0 g

### SKETCH



### Reference Weight Information

Certificate	Weights
TJ0121	500kg, 250kg
TJ0122	20kg
TJ0122	10kg
TJ0122	5kg
UJ0418	Box Set MKS1 2kg - 1mg

Tolerances (MPE) Class III  
 0-1/3 Capacity = +/- 1 div  
 1/3 to 2/3 Capacity = +/- 2 divs  
 2/3 to Maximum Capacity = +/- 3 divs

REMARKS: Re-Calibrated + Tested

Authorised Signature



Name (Print)

**G McGovern**

# Certificate of Calibration



---

## Equipment Details

Instrument Manufacturer Cirrus Research Plc  
Instrument Type CR:151A  
Description Sound Level Meter  
Serial Number G300649

---

## Calibration Procedure

The instrument detailed above has been calibrated to the publish test and calibration data as detailed in the instrument hand book, using the techniques recommended in the latest revisions of the International Standards IEC 61672-1:2013, IEC 61672-1:2002, IEC 60651:1979, IEC 60804:2001, IEC 61260:1995, IEC 60942:2003, IEC 60942:1997, IEC 61252:1993, ANSI S1.4-1983, ANSI S1.11-1986 and ANSI S1.43-1997 where applicable.

Sound Level Meters: All Calibration procedures were carried out by substituting the microphone capsule with a suitable electrical signal, apart from the final acoustic calibration.

---

## Calibration Traceability

The equipment detailed above was calibrated against the calibration laboratory standards held by Cirrus Research plc. These are traceable to International Standards {A.0.6}. The standards are:

Microphone Type	GRAS 40AP	Serial Number	173198	Calibration Ref.	0170
Calibrator Type	B&K 4231	Serial Number	2564324	Calibration Ref.	A1914
Calibrator Type	B&K 4231	Serial Number	2564325	Calibration Ref.	A1915
Calibrator Type	B&K 4231	Serial Number	2594796	Calibration Ref.	A1916

---

Calibrated by

Calibration Date

01 August 2019

Calibration Certificate Number

273126

Cirrus Research plc, Acoustic House, Bridlington Road, Hunmanby, North Yorkshire, YO14 0PH  
Telephone: +44 (0) 1723 891655 Fax: +44 (0) 1723 891742  
Email: sales@cirrusresearch.co.uk



Unit 5 Ward Road, Mount Farm, Bletchley, Milton Keynes, MK1 1JA  
Tel: 01908 373333 sales@mkcales.co.uk www.mkcales.co.uk

# CALIBRATION CERTIFICATE

Customer	Hunts Kart Racing Club Limite	Make	Locosc	Certificate No	21603
Address	The Airfield	Model	LP7510 / PW	Test Date	12/03/2020
	Stow Longa	Serial No	20170711035	Test Next Due	11/03/2021
	Kimbolton	Capacity	1000 Kg		
Post Code	PE28 0HU	Division	200 g		
Contact Name		Location	Site		

The following calibration tests have been carried out using weights traceable to the National Physical Laboratory Standards of Mass. Uncertainties quoted provide a level of confidence of approximately 95%.

### LINEARITY AND HYSTERESIS

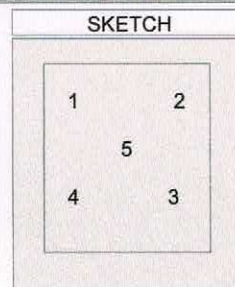
LOAD	As Found		Definitive	
	Reading	Error	Reading	Error
Zero	Zero	Zero	Zero	Zero
125000 g	124600g	-400 g	125000 g	0 g
255000 g	254400 g	-600 g	255000 g	0 g

### REPEATABILITY

LOAD	As Found Reading		Definitive	
	Reading	Error	Reading	Error
130000 g	n/a		130000 g	0 g
130000 g			130000 g	0 g
130000 g			130000 g	0 g

### ECCENTRIC LOADING

Test Points	As Found		Definitive	
	Reading	Error	Reading	Error
1	n/a		130000 g	0 g
2			130000 g	0 g
3			130000 g	0 g
4			130000 g	0 g
5			130000 g	0 g



### Reference Weight Information

Certificate	Weights
TJ0121	500kg, 250kg
TJ0122	20kg
TJ0122	10kg
TJ0122	5kg
UJ0418	Box Set MKS1 2kg - 1mg

Tolerances (MPE) Class III  
0-1/3 Capacity = +/- 1 div  
1/3 to 2/3 Capacity = +/- 2 divs  
2/3 to Maximum Capacity = +/- 3 divs

REMARKS: Re-Calibrated + Tested

Authorised Signature



Name (Print)

G McGovern

# CERTIFICATE OF CALIBRATION

Certificate Number:

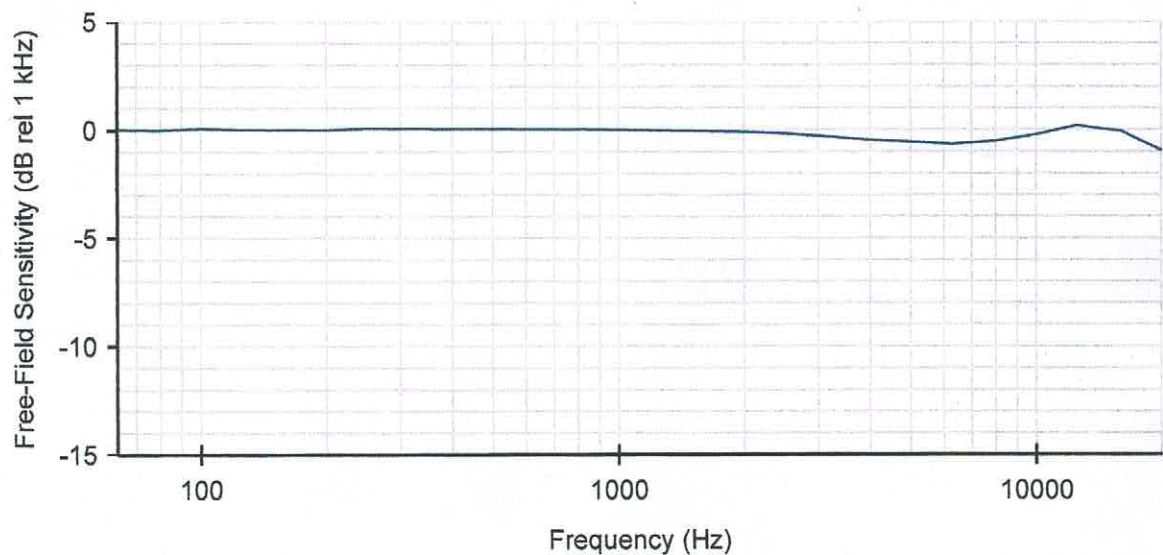
131270

Page 2 of 2

## Free-Field Frequency Response : Tabular

Frequency (Hz)	Free-Field Sensitivity (dB rel 1 kHz)	Actuator Response (dB)
63	0.03	-0.13
80	0.01	-0.05
100	0.08	0.09
125	0.03	0.07
160	0.02	0.08
200	0.01	0.07
250	0.07	0.10
315	0.07	0.10
400	0.06	0.09
500	0.06	0.09
630	0.03	0.07
800	0.03	0.04
1 000	0.00	0.01
1 250	-0.02	-0.05
1 600	-0.06	-0.15
2 000	-0.09	-0.29
2 500	-0.18	-0.50
3 150	-0.32	-0.83
4 000	-0.49	-1.30
5 000	-0.58	-1.88
6 300	-0.68	-2.64
8 000	-0.52	-3.62
10 000	-0.23	-4.93
12 500	0.19	-6.37
16 000	-0.08	-7.83
20 000	-0.97	-9.96

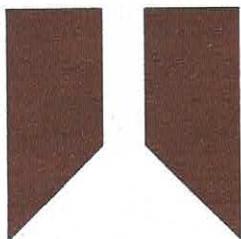
## Free-Field Frequency Response : Graphical





# CERTIFICATE OF CALIBRATION

ISSUED BY                      **Cirrus Research plc**  
DATE OF ISSUE                **01/08/19**                      CERTIFICATE NUMBER **131270**



**Cirrus Research plc**  
**Acoustic House**  
**Bridlington Road**  
**Hunmanby**  
**North Yorkshire**  
**YO14 0PH**  
**United Kingdom**

Page 1 of 2

Test engineer:

D.Swalwell

Electronically signed:

A handwritten signature in black ink, appearing to be 'D.Swalwell', located below the 'Electronically signed:' text.

## Microphone

### Microphone capsule

Manufacturer: Cirrus Research plc

Model: MK:224

Serial Number: 211788D

### Calibration procedure

Date of calibration: 08 May 2019

Open circuit: 51.1 mV/Pa

Sensitivity at 1 kHz: -25.8 dB rel 1 V/Pa

The microphone capsule detailed above has been calibrated to the published data as described in the operating manual of the associated sound level meter (where applicable).

The frequency response was measured using an electrostatic actuator in accordance with BS EN 61094-6:2005 with the free-field response derived via standard correction data traceable to a National Measurement Institute.

The absolute sensitivity at 1 kHz was measured using an acoustic calibrator conforming to IEC 60942:2003 Class 1.

### Environmental conditions

Pressure: 99.10 kPa

Temperature: 24.0 °C

Humidity: 32.0 %

# 2020 TRACK LICENCE

Venue: Kimbolton

## CONDITIONS OF ISSUE

1. That all Competitors and Competitions are subject to the General Regulations of MOTORSPORT UK.
2. That the requirements of MOTORSPORT UK in respect of the organisation of competitors, meetings or events (hereinafter referred to as an Event) are complied with and any unauthorised event proposed or held on any licensed track, course, area or part thereof (hereinafter referred to as "the Venue"), will automatically invalidate this Licence.
3. That any further conditions, endorsements or amendments required by MOTORSPORT UK during the period of this Licence will become a condition of this Licence and take effect from the date that formal notice is given.
4. That "Pole" position on the Starting grid is on the side nearest to the direction of turn of the first corner after the "Start" unless specified otherwise.
5. That no alterations are made to the features of the Venue in respect of an Event authorised by MOTORSPORT UK without the prior written authorisation of MOTORSPORT UK.
6. That Fire Points, Marshals Posts and similar areas agreed and sited by MOTORSPORT UK are not moved from their specified positions except for reasons of "Force Majeure" following structural damage during an Event.
7. That Marshal/Fire Posts shall be staffed as required for the type of Event.
8. THE LICENCE IS ALSO SUBJECT TO ANY SPECIAL CONDITIONS LISTED TOGETHER WITH ENDORSEMENTS.
9. Failure to maintain the Venue to the required standard of safety in relation to an Event authorised by MOTORSPORT UK will automatically invalidate this Licence.
10. The Venue Owner and/or Operator do fully and completely indemnify and save harmless MOTORSPORT UK in respect of all claims by any person whatsoever for injury to person or property caused by or in connection with or arising out of the use of the Venue for any purpose not authorised by a MOTORSPORT UK Organising Permit whether such claims arise out of negligence on the part of MOTORSPORT UK its servants or agents or otherwise howsoever and in respect of all costs and charges in connection therewith whether arising under statute or common law.
11. Endorsements to be affixed to the back of the Licence.
12. The Royal Automobile Club Motor Sports Association Limited ("MOTORSPORT UK") will base its requirements on the FIA/CIK SAFETY CRITERIA and its own information and studies. However, the issue of this Licence does not constitute any form of WARRANTY, either express or implied, in relation to the standards of safety at this Track/Venue for any purpose.
13. This licence is only valid for such days in respect of which an Organising Permit has been issued by MOTORSPORT UK & SUBJECT TO CONFIRMATION BY THE CLERK OF THE COURSE & MOTORSPORT UK STEWARD THAT THE VENUE MEETS THE REQUIREMENTS OF THE TRACK LICENCE. This licence shall not have effect on any day for which an Organising Permit is not in force. This licence is to be read in conjunction with and be deemed to incorporate all and any terms, conditions and provisions contained within or set out in the Organising Permit.
14. By issuing this licence MOTORSPORT UK does not assume any responsibility in relation to events not covered by an Organising Permit. It remains the responsibility of the Track/Venue Owner and/or Operator to ensure that the safety precautions are appropriate for all intended uses of the Track/Venue.

Direction of running: **Clockwise**

Classes to run: **Short Circuit kart classes only.**

Starting grids:

Racing cars: **N/A**

All other cars: **N/A**

Karts: **Gearbox: 2 x 2 (standing), Non-Gearbox: 2 x 2 (standing or rolling)**

Trucks: **N/A**

Noise test location: **Post 8 opposite Dummy Grid, 3.6m above circuit**

Last venue inspection: **18 November 2017**

Authorisation signatures:



*Dan Carter, Safety Executive.*



*John Ryan, Technical Director.*

Date of issue:

**12 December 2019**

**MOTORSPORT UK**



**MOTORSPORT UK**

stamp:



Licence No: K/2020125

Expires: 31 December 2020

Venue: Kimbolton

Status: Kart National.

Granted to: Hunts Kart Racing Club

Valid for: Kart Racing.



**Circuit details:**

	Length	Width	Minimum safety requirements:				Fire extinguishers		
			Doctor/Paramedic	Rescue Unit	Fast Doctor Car	Ambulance	Fire Tender	Course	Paddock
Circuit One: <i>Circuit 1</i>	990m	7m	1	N/A	N/A	1	N/A	9	2
Circuit Two: <i>Circuit 2</i>	1050m	7m	1	N/A	N/A	1	N/A	10	2
Circuit Three: <i>Circuit 3</i>	1083m	7m	1	N/A	N/A	1	N/A	10	2
Circuit Four: <i>Gearbox</i>	958m	7m	1	N/A	N/A	1	N/A	9	2

Notes:

**No. of starters:**

	Circuit Racing			Speed			Kart Racing			Other	
	(A)	(B)	(C)	Sprint	Hill Climb	Non-gearbox	Gearbox	Rallycross	Truck		
Circuit One: <i>Circuit 1</i>	N/A	N/A	N/A	N/A	N/A	34*	N/A	N/A	N/A		
Circuit Two: <i>Circuit 2</i>	N/A	N/A	N/A	N/A	N/A	34**	N/A	N/A	N/A		
Circuit Three: <i>Circuit 3</i>	N/A	N/A	N/A	N/A	N/A	34**	N/A	N/A	N/A		
Circuit Four: <i>Gearbox</i>	N/A	N/A	N/A	N/A	N/A	N/A	30	N/A	N/A		

Notes:

Track is licenced for Bambino's running in time trials and racing as part of a Motorsport UK permitted event.  
\* 17 for Bambino Time Trials (22 for racing).

\* For races of at least 45 minutes duration, the maximum number of starters may be increased to 38.

~ For endurance races of at least 2.5 hours duration with a minimum of two drivers per kart, the maximum number of starters may be increased to 45.

^ For endurance races of at least 2.5 hours duration with a minimum of two drivers per kart, the maximum number of starters may be increased to 46.





## CERTIFICATE OF INSPECTION

Inspection Dated: 14/01/20

**SMITHS FIRE LLP** have serviced the **Portable Fire Appliances** in accordance with BS 5306:3 as detailed in Inspection Report 183415

Hunts Kart Racing Club Ltd  
The Old Airfield  
Stow Longa  
Kimbolton  
Cambridgeshire  
PE28 0EY

8	6 Litre AFFF Extinguisher	1	6 Litre Wet Chem
21	6 Kg Dry Powder	12	9 Kg Dry Powder
1	1m x 1m Fire Blanket		

### RETAIN THIS CERTIFICATE

your Fire Officer or Insurance Company may wish to see it

Service Technician: Kevin Holmes

As per British Standard requirements you should inspect your Portable Fire Appliances once per month for signs of discharge/lost pressure (where gauge is fitted)/ damage and that it is correctly located.

*NB: service due date is month specific, not day specific*

Smiths Fire LLP, Northfield Point, Cunliffe Drive, Kettering, Northants NN16 9QJ  
01536 484846 sales@smithsfire.com

Registered in England No. OC339948



**Magnetic Strips Distances**  
 1 to 2 = 246.1m - All  
 2 to 3 = 361.7m - Direct Drive  
 3 to 1 = 392.4m - All



**Circuit Length**  
 988.5 m (Direct Drive)

**Marshals Posts**

**Mag. Timing Strips: 3**

## KIMBOLTON CIRCUIT 1

- 1 Unreserved Pit Bay Areas & Free Parking on Gravel
- 2 Reserved Pit Bay Area on Tarmac Area
- 3 Reserved Pit Bay Area on Gravel / Concrete Area
- 4 Medical Centre / Race Control / Clerk of the Course
- 5 Scrutineering Area / Parc Ferme
- 5A Mechanics Only Viewing Gallery
- 6 Dummy Grid
- 6A Assembly Area
- 7 Trolley Park
- 8 Kart Repair Area
- 9 Toilets / Showers
- 10 Catering Area
- 11 Drinking Water
- 12 Spectating Areas
- 13 Visitors & Spectators Car Park
- 14 Engine Starting Bay
- Emergency Assembly Areas ● Fire Extinguisher Points

**Magnetic Strips Distances**  
 1 to 2 = 246.1m - All  
 2 to 3 = 361.7m - Direct Drive  
 3 to 1 = 392.4m - All



**Circuit Length**  
 1083.0 m (Direct Drive)

**Marshals Posts**

**Mag. Timing Strips: 3**

## KIMBOLTON CIRCUIT 3

- 1 Unreserved Pit Bay Areas & Free Parking on Gravel
- 2 Reserved Pit Bay Area on Tarmac Area
- 3 Reserved Pit Bay Area on Gravel / Concrete Area
- 4 Medical Centre / Race Control / Clerk of the Course
- 5 Scrutineering Area / Parc Ferme
- 5A Mechanics Only Viewing Gallery
- 6 Dummy Grid
- 6A Assembly Area
- 7 Trolley Park
- 8 Kart Repair Area
- 9 Toilets / Showers
- 10 Catering Area
- 11 Drinking Water
- 12 Spectating Areas
- 13 Visitors & Spectators Car Park
- 14 Engine Starting Bay
- Emergency Assembly Areas ● Fire Extinguisher Points

**Magnetic Strips Distances**  
 1 to 2 = 246.1m - All  
 2 to 3 = 361.7m - Direct Drive  
 3 to 1 = 392.4m - All



**Circuit Length**  
 1049.7 m (Direct Drive)

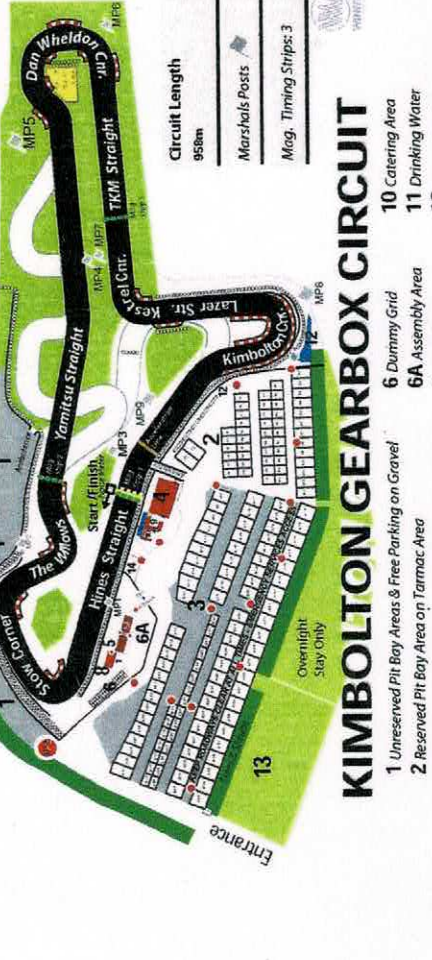
**Marshals Posts**

**Mag. Timing Strips: 3**

## KIMBOLTON CIRCUIT 2

- 1 Unreserved Pit Bay Areas & Free Parking on Gravel
- 2 Reserved Pit Bay Area on Tarmac Area
- 3 Reserved Pit Bay Area on Gravel / Concrete Area
- 4 Medical Centre / Race Control / Clerk of the Course
- 5 Scrutineering Area / Parc Ferme
- 5A Mechanics Only Viewing Gallery
- 6 Dummy Grid
- 6A Assembly Area
- 7 Trolley Park
- 8 Kart Repair Area
- 9 Toilets / Showers
- 10 Catering Area
- 11 Drinking Water
- 12 Spectating Areas
- 13 Visitors & Spectators Car Park
- 14 Engine Starting Bay
- Emergency Assembly Areas ● Fire Extinguisher Points

**Magnetic Strips Distances**  
 1 to 2 = 246.1m - All  
 2 to 3 = 361.7m - Direct Drive  
 3 to 1 = 392.4m - All



**Circuit Length**  
 958m

**Marshals Posts**

**Mag. Timing Strips: 3**

## KIMBOLTON GEARBOX CIRCUIT

- 1 Unreserved Pit Bay Areas & Free Parking on Gravel
- 2 Reserved Pit Bay Area on Tarmac Area
- 3 Reserved Pit Bay Area on Gravel / Concrete Area
- 4 Medical Centre / Race Control / Clerk of the Course
- 5 Scrutineering Area / Parc Ferme
- 5A Mechanics Only Viewing Gallery
- 6 Dummy Grid
- 6A Assembly Area
- 7 Trolley Park
- 8 Kart Repair Area
- 9 Toilets / Showers
- 10 Catering Area
- 11 Drinking Water
- 12 Spectating Areas
- 13 Visitors & Spectators Car Park
- 14 Engine Starting Bay
- Emergency Assembly Areas ● Fire Extinguisher Points