

# CERTIFICATE OF CALIBRATION

DATE OF ISSUE: 4/Apr/2025

CERTIFICATE NUMBER: C32N001148

ISSUED BY NORTHERN BALANCE LTD



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Approved Signatory: G. Thompson

Signature:

**Customer**

Karting North East Limited

Warden Law Motor Centre

Hangmans Lane

Sunderland

SR3 2PR

**Contact:** Paul Bainbridge

**Site**

Karting North East Limited

Warden Law Motor Centre

Hangmans Lane

Sunderland

SR3 2PR

**Balance Make**

Ohaus

**Model**

I-DT33XW

**Serial Number**

8345021064

**Range 1**

300kg

**Resolution**

0.2kg

**Range 2**

**Resolution**

**Range 3**

**Resolution**

**Range 4**

**Resolution**

**Location:** Media Centre / Scrutineering

**Customer Ref:** N/A

**Comments:**

**Weight Sets Used:** N14762

The weighing equipment described above has been calibrated using weights traceable to National Standards and in accordance with the following procedures (where relevant). The results were recorded.

**LINEARITY**

A series of test loads using standard weight, distributed evenly over the normal weighing range were added to the centre of the load receptor. The reading at each load was recorded.

**ECCENTRICITY**

A load was placed in the centre of the load receptor and the reading recorded. The load was then placed at each pan support in turn and again in the centre, the readings were recorded.

**REPEATABILITY**

The load was applied to the centre of the load receptor and the reading recorded. The load was removed and the reading recorded. This was carried out a minimum of three times.

Results are reported in terms of conventional mass which is the value of the result of weighing in air in accordance with International Document OIML D28.

For a weight taken at 20°C, the conventional mass is the mass of a reference weight of density of 8000kg/m<sup>3</sup> which it balances in air of a density 1.2kg/m<sup>3</sup>.

This certificate provides traceability of measurement to the SI system of units and/or units of measurement realised at the National Physical Laboratory or other recognised national metrology institutes.

This certificate may not be reproduced other than in full, except with the prior written approval of Northern Balance Ltd.

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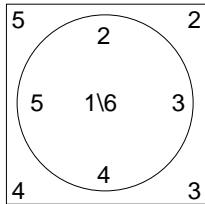
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Balance Make: **Ohaus**  
Model: **I-DT33XW**  
Serial No: **8345021064**  
Location: **Media Centre / Scrutineering**  
Range Calibrated: **300kg x 0.2kg**  
Type of Calibration: **Definitive**

Date of Calibration: **2/Apr/2025**  
Test Engineer: **James Twidale**  
Environmental Measurements:  
Temp: **N/A** Rel Humidity: **N/A**  
Air Pressure: **N/A** Air Density: **N/A**

## As Found

<b>Eccentricity Test</b>		Load Applied: 100.0kg
Ref	Indicated Reading (kg)	
1	100.2	
2	100.2	
3	100.0	
4	100.0	
5	100.0	
6	100.0	

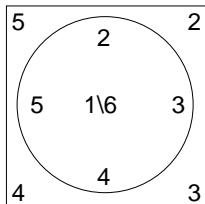


## Linearity Test

Applied Load (kg)	Indicated Reading (kg)	Difference (kg)
10.0	10.0	0.0
150.0	150.0	0.0
300.0	300.2	0.2

## Definitive

<b>Eccentricity Test</b>		Load Applied: 100.0kg
Ref	Indicated Reading (kg)	
1	100.2	
2	100.2	
3	100.0	
4	100.0	
5	100.0	
6	100.0	



## Linearity Test

Applied Load (kg)	Indicated Reading (kg)	Difference (kg)
0.0	0.0	0.0
10.0	10.0	0.0
20.0	20.0	0.0
50.0	50.0	0.0
100.0	100.0	0.0
150.0	150.0	0.0
200.0	200.0	0.0
300.0	300.0	0.0

<b>Repeatability Test</b>	
Zero Offset Load: 0kg	Nominal Load: 300kg
Unloaded Reading (kg)	Loaded Reading (kg)
0.0	300.2
0.0	300.0
0.0	300.0