

High Precision Weighing Scale



Features

- High accuracy up to 1/30,000
- Long life rechargeable battery up to 160 hours
- Rugged design with overload protector
- Hi-Lo check-weighing function available
- Auto zero tracking and tare
- Adjustable leveling with four stands



Model	UWA-C-030
Capacity	30kg
Division	1g
Pan Size	285 x 240mm

Calibration points for UWA-C-030 is tested at 0kg to 30kg as shown. Kindly specify your **Company Name and Address** to be printed on the Calibration Report when placing order. Alternatively, you may email to marketing@senzeinstruments.com

Kindly refer to a sample calibration report on the next page.

Report No. : A220110
Date of Issue : 26 Jan 2022
Page : 1 of 2

Ambient Conditions
Temperature : (22-23) °C
Relative Humidity : (49-50) % relative humidity

Customer : UniCal Pte Ltd
 Blk 28F Penjuru Close
 01-05
 Singapore 609134

Descriptions
Instrument : Electronic Balance
Brand : AccuTEC
Model : UWA-C-030
Serial No. : NV18060009
Tag No. : UWA-01
Calibration Range : 0 to 30 kg
Max. Capacity : 30 kg
Min. Capacity : 0.001 kg
Readability : 0.001 kg
Date of Calibration : 26 Jan 2022

Method of Calibration

The unit under test has been calibrated at UniCal Pte Ltd under the ambient conditions stated above according to in-house and on-site calibration procedure UMCP-001. This procedure is based on EURAMET cg-18: "Guidelines on the Calibration of Non-Automatic Weighing Instruments." The results of the calibration reported are traceable to SI units of measurement through D-K-15192-01-00 and IA-1988-0019-C.
 The unit under test was warmed-up for a period of 1 hour. The reference standards were placed near the unit under test to be acclimated to the laboratory ambient conditions for a period of at least 1 hour prior to calibration.

Reference Standard(s)

Set of Weights, Class F1, SN: 4580321
 Set of Weights, Cast Iron, SN: 2718 and 2721

Results of Calibration

The results of the calibration are shown in the table(s). The indicated uncertainty of measurement associated with the indicated values at a level of confidence of approximately 95% with a coverage factor of k=2. The results are used to determine the suitability of this instrument for its intended use.

1. Repeatability Test

Using a test load of 15 kg for ten (10) measurements, the standard deviation is (kg): **0.0004714**

No.	Indication (kg)
1	29.998
2	29.999
3	29.999
4	29.999
5	30.000
6	29.999
7	29.999
8	29.999
9	29.999
10	29.999

2. Eccentricity Test

Load Position	Indication (kg)	Deviation of Indication rel. to the center (kg)
Center (1)	15.001	
Front left (2)	15.001	0.002
Back left (3)	15.003	0.004
Back right (4)	14.995	-0.005
Front right (5)	14.995	-0.005
Center (1)	14.998	

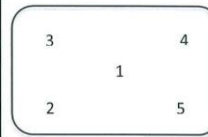


Figure 1. load positions

3. Test for the Correction of Indication

Measurement No.	Test Loads (kg)	UUT Indicated (kg)	Correction (kg)	Expanded Uncertainty (kg)
1	0.000	0.000	0.000	0.002
2	2.000	2.000	0.000	0.002
3	4.000	4.000	0.000	0.002
4	6.000	6.001	-0.001	0.002
5	8.000	8.001	-0.001	0.002
6	10.000	10.000	0.000	0.003
7	12.000	12.000	0.000	0.003
8	14.000	14.000	0.000	0.003
9	16.000	16.001	-0.001	0.004
10	18.000	18.001	-0.001	0.004
11	21.110	21.110	0.000	0.005
12	30.000	29.999	0.001	0.006



Hero Allan Andral
Approved Signatory