Calibration Certificate

Avery Weigh-Tronix

Avery Weigh-Tronix is a trading name of Avery Weigh-Tronix Limited
Registered Office: Foundry Lane, Smethwick, West Midlands, B66 2LP England
Registered in England No. 595129

Tel: 0845 900 22 44

Customer Details

Name : W R G
Address : Thwaite Flat

Barrow In Furness
LA14 4QH

Contact Name : Julia Fisher
Telephone No. 01229467637

Certificate No. 107292004/0101

Date of Calibration : 17/06/2011
Next Calibration Due : May 2012

Agreement No. 5686090046
Location : BARROW IN FURNESS
Department :
Plant Number : 081450124
Manufacturer : SHERING
Model : 825/E1205
Serial No : 081450126
Capacity : 50000 kg
Resolution : 20kg
Tolerance : +/- 40kg
Calibration Frequency : CL 1 x p.a. - Both

Test Weight Details

Weight Set No. & Certificate No.

W 005 1-24: A0204
WB 09: UK100070

Test weights used are traceable to national standards of Mass.

Linearity / Accuracy Test

Test Point	As Found Reading	As Found Deviation	Definitive Reading	Definitive Deviation
0 kg	0 kg	0 kg	0 kg	0 kg
4,000 kg	4,000 kg	0 kg	4,000 kg	0 kg
8,000 kg	8,000 kg	0 kg	8,000 kg	0 kg
12,000 kg	12,000 kg	0 kg	12,000 kg	0 kg
16,000 kg	16,000 kg	0 kg	16,000 kg	0 kg
22,620 kg	22,620 kg	0 kg	22,620 kg	0 kg
23,600 kg	23,600 kg	0 kg	23,600 kg	0 kg
31,600 kg	31,600 kg	0 kg	31,600 kg	0 kg
39,600 kg	39,600 kg	0 kg	39,600 kg	0 kg
46,240 kg	46,240 kg	0 kg	46,240 kg	0 kg

Off Centre Loading Test **Positions** **2 3**
1 4

Test Point	As Found Reading	As Found Deviation	Definitive Reading	Definitive Deviation
16,000 kg	16,000 kg	0 kg	16,000 kg	0 kg
16,000 kg	16,000 kg	0 kg	16,000 kg	0 kg
16,000 kg	16,000 kg	0 kg	16,000 kg	0 kg
16,000 kg	16,000 kg	0 kg	16,000 kg	0 kg

Repeatability Test

Test Point	As Found Reading	As Found Deviation	Definitive Reading	Definitive Deviation
16,000 kg	16,000 kg	0 kg	16,000 kg	0 kg
16,000 kg	16,000 kg	0 kg	16,000 kg	0 kg
16,000 kg	16,000 kg	0 kg	16,000 kg	0 kg

Comments

For key calibration information please login to https://serviceportal.awtxglobal.com/ciw

Tolerances

Unless otherwise agreed tolerances will be those permitted by current Weights and Measures Regulations for Class III machines as follows:

0-500 divisions	+/- 1 divn.
>500-2000 divisions	+/- 2 divn.
>2000 divisions	+/- 3 divn.

Technicians Name: Percival K

Customer Name: L PARK

Technicians Signature:

Customer Signature:

Avery Weigh-Tronix

CALIBRATION SERVICE: KEY INFORMATION

1. CERTIFICATES AND TOLERANCES
Measurements will be recorded over the equipment's range and a Certificate of Calibration provided (hereafter referred to as Certificate) showing performance to a specified tolerance. Unless otherwise agreed, tolerances will be those permitted by current Weights and Measures Regulations for Class III machines in relation to the obliteration of stamps as follows: 0 - 500 divs = +/- 1div, >500 - 2000 divs = +/- 2divs, > 2000 divs = +/- 3 divs

2. AS FOUND CERTIFICATE
An 'As Found ' test will be conducted without any prior adjustments and/or repair being made apart from usual preparations for weighing such as Zero balancing or levelling carried out in accordance with the customer's normal operating procedures.

3. DEFINITIVE CERTIFICATE
A' Definitive' test is usually carried out after the necessary adjustments have been made. If any required adjustments and/or repairs are covered by a Service Agreement they will be carried out prior to the Definitive Test. If the equipment requires work not covered by a Service Agreement, Avery Weigh-Tronix will quote for any rectification work required and will give the customer the option to suspend the definitive test until such work has been carried out. Avery Weigh-Tronix reserves the right to charge for additional costs incurred if a test is suspended for any reason outside of their control.

4. ADJUSTMENTS AND REPAIRS
The Calibration Service does not cover adjustments and repair to equipment, though necessary adjustments may be covered by a Service Agreement.

5. TRACEABILITY
The Test Weights used are traceable to National Standards of Mass. The appropriate certificates for the Test Weights used will be quoted on the Certificate. Traceability implies that there is an unbroken chain back to National Physical Laboratory Standards of Mass. For Avoir (Imperial) machines, these may be calibrated with metric weights assuming a conversion factor of 1lb. = 453.59237g.

6. MEASUREMENTS TAKEN
(1) Unless otherwise agreed, pre-determined measurement points will be selected, normally, these will be a reading at zero and four to ten other readings in the equipment's range. In the case of equipment with a capacity in excess of 250kg, or with restricted platform sizes it may be necessary to use 'make-up' weights. This does not affect the validity of the test. Where possible weighbridges will be tested up to the maximum gross vehicle weight allowed under current legislation (without dispensation).
(2) Off Centre Loading (where applicable): Four readings will be taken, normally at about one quarter to half of the equipment's capacity, at various off centre points.
(3) Repeatability: Three readings (at the same test point) will be taken normally at about one quarter to half of the equipment's capacity.
Note! 'Make up' loads may in some cases be used for Off Centre Loading and Repeatability tests and this will not affect the validity of the results.

7. ENVIRONMENT
Unless otherwise specified, the Calibration Service will be carried out on the equipment in its normal location and in the environment as found.

8. CARTAGE OF TEST WEIGHTS
For all tests of machines having a capacity in excess of 750kg, the customer is responsible for the cartage of test weights from and to Avery Weigh-Tronix premises. Unless otherwise specified, for road weighbridges being calibrated to a capacity in excess of 10,000kg the Calibration Service includes the provision of a Weighbridge Test Unit.

9. UNSKILLED LABOUR AND LIFTING EQUIPMENT
The customer is responsible for supplying unskilled labour, lifting and handling equipment for the movement of Test Weights on site.

10. HANDLING OF TEST WEIGHTS
The customer is responsible for any damage caused to Test Weights whilst they are on the customer's premises (or being transported by the customer), except to the extent that such damage arises from the negligence of an employee of Avery Weigh-Tronix or its sub-contractor or agent.

11. ACCURACY
The certificate issued under this service is based on readings taken at a particular point of time and a particular location. It does not guarantee the accuracy of the equipment in the future. The interpretation of the results declared is the responsibility of the customer having regard to the nature of the machine use.

12. UKAS CERTIFICATES
Should a customer require a calibration service, which complies with the requirements of UKAS, this can be arranged, however this will be on a specific UKAS contract with different terms, conditions and documentation.

13. EQUIPMENT OUTSIDE THE TOLERANCE
If a Calibration is carried out, a Certificate will be issued even if a machine is outside the prescribed tolerance.

14. NOTIFICATION PROCEDURE
To comply with the relevant Weights and Measures Regulations it is a legal requirement that users of weighing equipment notify their Local Trading Standards Department when a major adjustment or component change is made which could affect the metrological performance of the machine.

15. MEASUREMENT UNCERTAINTY
Where there is zero error shown for repeatability, Measurement Uncertainty can normally be considered to be within approximately +/- one scale division or where the resolution is $\leq$ 0.0001g approximately +/- six scale divisions. Should a calculation for Measurement Uncertainty be required this would only be supplied with a UKAS calibration contract.

16. TERMS AND CONDITIONS
Where calibration work is carried out as part of a Service Agreement Avery Weigh-Tronix Limited's Service Agreement Terms and Conditions shall apply. Where calibration work is carried out as an addition to a Service Agreement or in the absence of a Service Agreement then Avery Weigh-Tronix Limited's General Terms and Conditions shall apply. Copies of the applicable terms have been made available to customer and further copies are available upon request.

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