



OIML Member State
Denmark

OIML Certificate No.
R76/2006-A-DK2-2019.04

OIML CERTIFICATE ISSUED UNDER SCHEME A

OIML Issuing Authority

Name: **FORCE Certification A/S**
Address: **Park Allé 345, 2605 Brøndby, Denmark**
Person responsible: **Leif Madsen**

Applicant

Name: **Avery Weigh-Tronix.**
Address: **Foundry Lane, Smethwick, West Midlands, B66 2LP,
England**

Manufacturer **Avery Weigh-Tronix.**

Identification of the certified type *(the detailed characteristics will be defined in the additional pages)*

ZM110

Designation of the module *(if applicable)*

Non-automatic electronic weighing indicator

This OIML Certificate attests the conformity of the above identified type (represented by the sample(s) identified in the OIML type evaluation report) with the requirements of the following Recommendation of the International Organization of Legal Metrology (OIML):

OIML R 76-1, Edition (year): 2006

For accuracy class (if applicable): **III or IIII**

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This OIML Certificate relates only to metrological and technical characteristics of the type of measuring instrument covered by the relevant OIML Recommendation identified above.

This OIML Certificate does not bestow any form of legal international approval.

The conformity was established by the results of tests and examinations provided in the associated OIML reports:

Type examination report: No. 118-33963.10, dated 23 January 2019, that includes 69 pages

Type evaluation report: No. 118-33963.90, dated 23 January 2019, that includes 3 pages

The technical documentation relating to the identified type is contained in documentation file:
No. 118-33963

OIML Certificate History

Revision No.	Date	Description of the modification
First issuance	27 February 2019	

Identification, signature and stamp

The OIML Issuing Authority

FORCE Certification A/S

Date: 27 February 2019

Jens Hovgård Jensen

Certification Manager

Important note: Apart from the mention of the Certificate's reference number and the name of the OIML Member State in which the Certificate is issued, partial quotation of the Certificate and of the associated OIML type evaluation report(s) is not permitted, although either may be reproduced in full.

Descriptive annex

Characteristics

Type:	ZM110
Accuracy class:	III and IIII
Weighing range:	Single-interval or multi-range (2 ranges)
Maximum number of Verification	
Scale Intervals:	≤ 4200 (class III), ≤ 1000 (class IIII)
Maximum tare effect:	-Max within display limits
Fractional factor:	$p_i = 0.5$
Minimum input voltage per VSI:	1 μ V
Excitation voltage:	5 VDC
Circuit for remote sense:	Present using 6-wire connection
Minimum input impedance:	87 ohm
Maximum input impedance:	1100 ohm
Mains power supply:	100-240 VAC, 50/60 Hz using external AC to 12 VDC adapter
Operational temperature:	-10 °C to +40 °C
Maximum 6-wire cable length between indicator and junction box:	21913 m/mm ²

Software

The software version is displayed as part of the turning off sequence.

The approved software version is 100115

Interfaces

- RS232C (Optional, via separate interface board)
- Bluetooth (Optional, via separate interface board)

Devices

- Initial zero setting device ($\pm 10\%$ of Max)
- Semi-automatic zero setting device ($\pm 2\%$ of Max)
- Semi-automatic subtractive tare device
- Gross / Net display
- Printing device (may be connected via optional serial data port)
- Gravity compensation device
- Stable equilibrium, Zero, Gross, Net and active range indicators.

