



**Member State of OIML  
United Kingdom of Great Britain  
and Northern Ireland**

**OIML Certificate No  
R76/1992-GB1-09.06**

## **OIML CERTIFICATE OF CONFORMITY**

Issuing authority

Name: **National Weights and Measures Laboratory  
(Part of the National Measurement Office)**  
Address: **Stanton Avenue  
Teddington  
Middlesex  
TW11 0JZ  
United Kingdom**

Person responsible: **Paul Dixon - Product Certification Manager**

Applicant

Name: **Avery Weigh-Tronix**  
Address: **Foundry Lane  
Smethwick  
West Midlands  
B66 2LP  
United Kingdom**

Identification of the certified pattern:

**Non-automatic weighing instrument designated the BI920  
'Baggage Indicator', comprising an operator panel (BI920-OP)  
connected to a load receptor.  
Further characteristics see page 2**

This certificate attests the conformity of the above-mentioned pattern (represented by the samples identified in the associated test report) with the requirements of the following Recommendation of the International Organization of Legal Metrology (OIML):

<b>OIML:</b>	<b>R76</b>
<b>Edition:</b>	<b>1992 (E)</b>
<b>Accuracy class:</b>	<b>III</b>

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This certificate relates only to the metrological and technical characteristics of the pattern of the instrument concerned, as covered by the relevant OIML International Recommendation.

This certificate does not bestow any form of legal international approval.

The conformity was established by tests described in the associated:

Test reports: MCA 1851 having 47 pages  
Checklist P00178 having 12 pages

The issuing authority

The OIML member



Mr P Dixon  
*for* NWML

Mr P Mason

Date: 22 April 2009  
Ref: T1128/0201

**Description:** The Avery Weigh-Tronix, model BI920 Baggage Indicator indicator designed for airport check in-counter baggage weighing. It consists of an operator's panel with an LCD display which shows weight, weigh accumulator and bag count, and a passenger LED display which also shows weight, weight accumulator and bag count.

**Devices:**

- indication of stable equilibrium
- initial zero-setting
- semi-automatic zero-setting
- zero indication
- zero-tracking
- acting upon significant faults
- display checking
- totalisation function

**Interfaces:**

- Load cell input
- DC voltage input
- RS-232 for passenger panel
- 1 x RS-232
- Control inputs/outputs

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### Load cell:

Any compatible load cell may be used providing the following conditions are met:

- There is a respective OIML Certificate of Conformity (R60) issued for the load cell.
- The certificate contains the load cell types and the necessary load cell data required for the manufacturer's declaration of compatibility of modules and any particular installation requirements. A load cell marked NH is allowed only if humidity testing to R76 has been conducted on this load cell.
- The compatibility of the load cells and indicator is established by the manufacturer by means of the compatibility of modules calculation.

### Technical data:

Input voltage per scale interval	$\geq 0.75 \mu\text{V/e}$
Minimum input impedance	$\geq 87.5 \Omega$
Excitation voltage	$= 5 \text{ V DC}$
Number of scale intervals	$\leq 3000$
Maximum cable length (j-box to indicator)	$\leq 5 \text{ m}$
Fraction of maximum permissible error ( $P_i$ )	$= 0.8$

### Certificate History

ISSUE NO.	DATE	DESCRIPTION
R76/1992-GB1-09.06	22 April 2009	Type approval first issued

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