



**United Kingdom of Great Britain  
and Northern Ireland**

**OIML Certificate No  
R76/2006-GB1-09.04**

## **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 Ltd**

Address: **Foundry Lane  
Smethwick  
West Midlands B66 2LP  
United Kingdom**

Identification of the certified pattern:

**Weighing indicator, as part of a non-automatic weighing  
instrument, designated the 1080**

**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>2006 (E)</b>
<b>Accuracy class:</b>	<b>III, IIII</b>

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.

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

The conformity was established by tests described in the associated:

NWML Test report:	TR 565	having 36 pages
Pattern Evaluation report:	P00280	having 14 pages

The issuing authority

The CIML member



Mr P R Dixon

Mr P Mason

Date: 18 December 2009

Ref: T1127/0038

Characteristics: This indicating device is designated the 1080. It is designed to be used as part of a Class III or IIII non-automatic weighing instrument. The indicator is self-indicating, dc-powered and operates as a single interval instrument.

Main features:

- Processor and converter unit comprising CPU and A/D converter
- LED display with 7 digits
- LED indicators
- Operator keypad
- Metallic enclosure

Devices:

- Semi-automatic zero setting ( $\leq 20\%$  Max)
- Zero tracking ( $\leq 4\%$  Max)
- Semi-automatic subtractive tare weighing
- Automatic tare weighing
- Determination of stability of equilibrium
- Accumulation
- Counting
- Target weighing
- Checkweighing
- Axle weighing
- Gross, Net, Tare, Print, Zero, Motion, Accumulation, Over/Under weight and Network indicators

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Technical data:

Power supply	9-36 V DC via mains adaptor
Maximum number of scale intervals	10,000 (Class III, single interval) 1,000 (Class IIII, single interval)
Maximum subtractive tare	Max
Load cell excitation voltage	10 VDC
Minimum load cell impedance	43.75 $\Omega$
Maximum load cell impedance	1000 $\Omega$
Minimum input voltage per verification scale interval	1 $\mu$ V
Measuring range minimum voltage	0 mV
Measuring range maximum voltage	10 mV
Fraction of maximum permissible error	$P_{ind} = 0.5$
Operating temperature range	-10 °C to + 40 °C
Load cell cable (junction box to indicator)	Maximum length = 95 m/mm <sup>2</sup>

Interfaces:

- Load cell 6-wire shielded connection
- RS232 / RS485
- Ethernet
- USB
- Profibus DP
- Digital I/O
- DeviceNet

**Certificate History**

ISSUE NO.	DATE	DESCRIPTION
R76/2006-GB1-09.04	18 December 2009	Certificate first issued.
-	-	No revisions have been issued.

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