



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

OIML Certificate No  
R106/1997-GB1-07.01  
Revision 2

## OIML CERTIFICATE OF CONFORMITY

Issuing authority

Name: **National Weights and Measures Laboratory  
(part of 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**

Manufacturer of the certified pattern is the Applicant.

Identification of the certified pattern:

**Automatic rail-weighbridge, Railweight TSR4000  
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 Organisation of Legal Metrology (OIML):

<b>OIML:</b>	<b>R106</b>
<b>Edition:</b>	<b>1997 (E)</b>
<b>Accuracy class:</b>	<b>0.5 Coupled Wagon 0.2 Total Train</b>

This revision replaces earlier versions of the certificate.

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 TR:0518, TR:0594 and the associated checklist F20221.

The issuing authority



Mr P R Dixon  
for NWML

The CIML member



Mr P. Mason

Date 24 February 2011

Ref: T1106/0017

Characteristics: Automatic rail-weighbridge model Railweight TSR4000

Accuracy class	≥ 0.5 (coupled wagon weighing)
	≥ 0.2 (total train weighing)
Maximum operating speed	≤ 10 km/h
Minimum operating speed	≥ 0.1 km/h
Maximum wagon weight	≤ 120,000 kg
Minimum wagon weight	≥ 6000 kg
Scale interval	≥ 20 kg
Maximum capacity	≤ 33,000 kg (per axle)
Minimum capacity	≥ 3,000 kg (per axle)
Max. no. of weighline transducers	16 (8 pairs)
Max. number and type of wagons per train	Determined at verification
Direction of weighing	Bi-directional (train pushed/pulled)
Power supply	90/230 VAC, 50 Hz 115/230 VAC, 47-63 Hz (with Advantech PCI-6873 motherboard and an Enhance 200W Micro ATX power supply unit)
Operating temperature range	- 10 °C to + 40 °C

OIML Certificate No  
R106/1997-GB1-07.01  
Revision 2

Certificate History

ISSUE NO.	DATE	DESCRIPTION
R106/1997-GB1-07.01	28 October 2010	Certificate first issued.
R106/1997-GB1-07.01 Revision 1	13 April 2010	Capacity increased to 16,500 kg per wheel.
R106/1997-GB1-07.01 Revision 2	24 February 2011	Alternative motherboard and power supply unit.

Important note: Apart from the mention of the certificates reference number and the name of the OIML Member State in which the certificate was issued, partial quotation of the certificate or of the associated test report is not permitted, though they may be reproduced in full.