

**OIML Member State**  
The Netherlands

Number R60/2000-NL1-12.37  
Project number SO12200671  
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Issuing authority	NMi Certin B.V. Person responsible: C. Oosterman
Applicant	Avery Weigh-Tronix Ltd. Foundry Lane, Smethwick West Midlands, B66 2LP United Kingdom
Manufacturer	Avery Weigh-Tronix Ltd. Foundry Lane, Smethwick West Midlands, B66 2LP United Kingdom
Identification of the certified type	A <b>bending beam</b> or <b>shear beam load cell</b> , with strain gauges. Type : T206
Characteristics	See next page

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

**OIML R60** - Edition 2000 (E) for accuracy class C

This Certificate relates only to the metrological and technical characteristics of the type of measuring instrument covered by the relevant OIML International Recommendation above-identified. This Certificate does not bestow any form of legal international approval.

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

Issuing Authority **NMi Certin B.V., OIML Issuing Authority NL1**  
15 August 2012

C. Oosterman  
Head Certification Board

NMi Certin B.V.  
Hugo de Grootplein 1  
3314 EG Dordrecht  
the Netherlands  
T +31 78 6332332  
certin@nmi.nl  
www.nmi.nl

This document is issued under the provision that no liability is accepted and that the applicant shall indemnify third-party liability.

The notification of NMi Certin B.V. as Issuing Authority can be verified at [www.oiml.org](http://www.oiml.org)

Parties concerned can lodge objection against this decision, within six weeks after the date of submission, to the general manager of NMi (see [www.nmi.nl](http://www.nmi.nl)).



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The conformity was established by the results of tests and examinations provided in the associated OIML Test Report(s):

- No. NMI-11200684-06 dated 24 October 2011 that includes 65 pages;
- No. NMI-11200684-07 dated 24 October 2011 that includes 61 pages;
- No. NMI-11200684-08 dated 24 October 2011 that includes 61 pages;
- No. NMI-12200100-02 dated 25 April 2012 that includes 52 pages.

**Characteristics of the load cell:**

Load cell construction	Bending beam	Shear beam	
Maximum capacity ( $E_{max}$ )	100 kg up to and including 250 kg	500 kg up to and including 2500 kg	3000 kg up to and including 15000 kg
Minimum dead load	0 kg		
Accuracy Class	C		
Rated Output	2,0 mV/V $\pm$ 0,002 mV/V 3,0 mV/V $\pm$ 0,003 mV/V		
Maximum number of load cell intervals ( $n_{max}$ )	5000		
Ratio of minimum LC Verification interval $Y = E_{max} / V_{min}$	20000	20000	18000
Ratio of minimum dead load output return $Z = E_{max} / (2 * DR)$	5000		
Input impedance	350 $\Omega$ $\pm$ 3,5 $\Omega$		
Temperature range	-10 $^{\circ}$ C / +40 $^{\circ}$ C		
Fraction $p_{LC}$	0,7		
Humidity Class	CH		
Safe overload	150% of $E_{max}$		
Output impedance	350 $\Omega$ $\pm$ 3,5 $\Omega$		
Recommended excitation	5-12 V DC/AC		
Excitation maximum	18 V DC/AC		
Transducer material	Alloy steel		
Atmospheric protection	Silicon rubber		

The characteristics for  $n_{max}$  and Y can be reduced separately. Z is proportional or equal to  $n_{max}$ .

Each produced load cell is provided with an accompanying document with information about its characteristics.