



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

OIML Certificate No  
R60/2000-GB1-06.01

## OIML CERTIFICATE OF CONFORMITY

Issuing authority

Name: **National Weights and Measures Laboratory**  
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United Kingdom**

Person responsible: **Paul Dixon – Business Team Manager, Type Approval & Testing**

Applicant

Name: **Avery Weigh-Tronix**  
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Manufacturer of the certified pattern is:

**The applicant**

Identification of the certified pattern:

**Single Ended Shear Beam (bending) strain gauge load cell**

Model Designation	WBH		
Maximum capacity, $E_{\max}$	1 000 kg	2 000 kg	4 000 kg
Accuracy class	C6		
Maximum number of load cell intervals, $n_{\max}$	6000		
Minimum verification interval, $V_{\min}$	0.0625 kg	0.125 kg	0.25 kg
Apportionment factor, $p_{LC}$	0.7		

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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):

**R 60 Metrological regulation for load cells Edition: 2000 (E) for accuracy class : C6**

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.

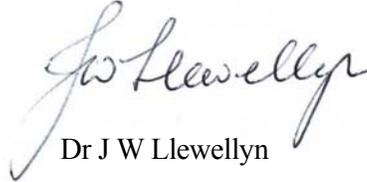
The conformity was established by tests described in the associated test report: N° AWTX02714 which includes 18 pages.

Issuing authority

CIML member



Mr P R Dixon  
for NWML



Dr J W Llewellyn

Date 16 March 2006  
Ref: T1136/0010

**Table 1: Essential technical data**

<i>Model designation</i>	<i>Designation</i>	<i>Value</i>	<i>Units</i>
Classification		C6	
Additional marking		-	
Maximum number of load cell verification intervals	$n_{max}$	6 000	
Maximum capacity	$E_{max}$	1 000, 2 000, 4 000	kg
Minimum dead load, relative	$E_{min}/E_{max}$	-	%
Relative $V_{min}$ (ratio to minimum LC verification interval)	$Y = E_{max}/V_{min}$	16000	
Relative DR (ratio to minimum dead load output return)	$Z = E_{max}/(2*DR)$	7496	
Rated output (depending on capacity)		1.95 – 3.05	mV/V
Maximum excitation voltage		20	V ac or dc
Input impedance (for strain gauge LCs)	$R_{LC}$	383 ±10%	$\Omega$
Temperature rating		-10/+40	°C
Safe overload, relative	$E_{lim}/E_{max}$	150	%
Cable length		3 or 7.5	m
Additional characteristics		4 wire + screen	

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