



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:

Address:

**National Weights and Measures Laboratory
Stanton Avenue
Teddington
Middlesex
TW11 0JZ
United Kingdom**

Person responsible:

Paul Dixon – Business Team Manager, Type Approval & Testing

Applicant

Name:

Address:

**Avery Weigh-Tronix
Foundry Lane
Smethwick, Warley
West Midlands
B66 2LP
United Kingdom**

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.

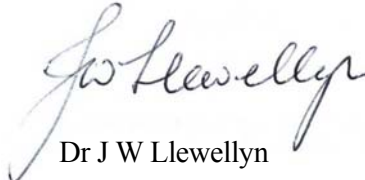
This certificate does not bestow any form of legal international approval.

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

Issuing authority


Mr P R Dixon
for NWML

CIML member


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)	$Z = E_{\max}/(2 \cdot DR)$	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}	$383 \pm 10\%$	Ω
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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