NWML
NATIONAL WEIGHTS AND MEASURES LABORATORY

OIML
MUTUAL ACCEPTANCE ARRANGEMENT

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

OIML Certificate No
R60/2000-GB1-09.10

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

Manufacturer of the certified pattern is:

The applicant

Identification of the certified pattern:

Strain Gauge Compression Load Cell Type T302x
Further characteristics see page 2.

Model Designation	T302x	
Maximum capacity, E_{max} (kg)	22680	45360
Accuracy class	C5	
Maximum number of load cell intervals, n_{max}	5000	
Minimum verification interval, V_{min}	E_{max} / 13318	
Apportionment factor; p_{LC}	0.7	

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: C5**

OIML Certificate No R60/2000-GB1-09.10

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:

NWML test report: TR:0563 having 18 pages

Issuing authority

Mr P Dixon
for NWML

CIML member

Mr P Mason

Date 27 November 2009
Ref: T1136/0043

Essential technical data

Model designation	*Designation*	*Value*	*Units*
Classification		C5	
Additional marking		---	
Maximum number of load cell verification intervals	n_{LC}	5000	
Maximum capacity	E_{max}	22680 | 45360	kg
Minimum dead load, relative	E_{min}/E_{max}	0	kg
Relative V_{min} (ratio to minimum LC verification interval)	$Y = E_{max}/V_{min}$	13318	
Relative DR (ratio to minimum dead load output return)	$Z = E_{max}/(2*DR)$	5000	
Rated output		1.75 ± 0.1	mV/V
Maximum excitation voltage		± 15	V (DC)
Input impedance (for strain gauge LCs)	R_{LC}	540 - 620	Ω
Temperature rating		-10/+40	°C
Safe overload, relative	E_{lim}/E_{max}	150	% F.S
Cable length (maximum)		40	m
Additional characteristics		4 wire (plus screen)	

Certificate History

ISSUE NO.	DATE	DESCRIPTION
R60/2000-GB1-09.10	27 November 2009	Type approval first issued
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