



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

**OIML Certificate No
R60/2000-GB1-09.05**

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: **Mr 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)	22500 & 45000
Accuracy class	C2.5
Maximum number of load cell intervals, n_{\max}	2500
Minimum verification interval, V_{\min}	$E_{\max} / 11500$
Apportionment factor; p_{LC}	0.70

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):

**OIML Certificate No
R60/2000-GB1-09.05**

R 60 Metrological regulation for load cells Edition: 2000 (E) for accuracy class : C2.5

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: AB01266 having 21 pages (issued by Avery Weigh-Tronix)
 Test report: 03122TR having 16 pages (issued by Avery Weigh-Tronix)

Issuing authority

CIML member




Mr P Dixon
for NWML

Mr P Mason

Date 30 June 2009
Ref: T1136/0040

Essential technical data

<i>Model designation</i>	<i>Designation</i>	<i>Value</i>	<i>Units</i>
Classification		C2.5	
Additional marking		---	
Maximum number of load cell verification intervals	n_{LC}	2500	
Maximum capacity	E_{max}	22500 & 45000	kg
Minimum dead load, relative	E_{min}/E_{max}	0	kg
Relative V_{min} (ratio to minimum LC verification interval)	$Y = E_{max}/V_{min}$	11500	
Relative DR (ratio to minimum dead load output return)	$Z = E_{max}/(2*DR)$	2500	
Rated output		1.75 ± 0.1	mV/V
Maximum excitation voltage		± 15	V (DC)
Input impedance (for strain gauge LCs)	R_{LC}	540 - 600	Ω
Temperature rating		-10/+40	$^{\circ}C$
Safe overload, relative	E_{lim}/E_{max}	150	% F.S
Cable length (maximum)		40	m
Additional characteristics		4 wire (plus screen)	

**OIML Certificate No
R60/2000-GB1-09.05**

Certificate History

ISSUE NO.	DATE	DESCRIPTION
R60/2000-GB1-09.05	30 June 2009	Type approval first issued
-	-	

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 or of the associated test report is not permitted, though they may be reproduced in full.