National Measurement Office

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

OIML Certificate No
R60/2000-GB1-11.03

OIML CERTIFICATE OF CONFORMITY

Issuing authority: **National Measurement Office**

Person responsible: **Paul Dixon – Product Certification Manager**

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

Manufacturer: **The applicant**

Identification of the certified pattern: **ZL109 Digital high tension alloy steel load cell**

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 R 60 - Edition 2000(E) for **accuracy class**: C1.2

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.

Important note: Apart from the mention of the certificates 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.

Issue Date: **09 September 2011**
Reference No: **T1128/0218**

Signatory: **P R Dixon**

UKAS PRODUCT CERTIFICATION 0135

BIS Department for Business Innovation & Skills

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The conformity was established by tests described in the associated test report TR:0600 which includes 29 pages.

Characteristics of the Load Cell:

Model designation	Designation	Value	Units
Classification		C1.2	
Additional marking		CH	
Maximum number of load cell verification intervals	nLC	1200	
Maximum capacity	E_{max}	8000	kg
Minimum dead load, relative	E_{min}/E_{max}	0	kg
Relative V_{min} (ratio to minimum LC verification interval)	$Y = E_{max}/V_{min}$	8000	
Relative DR (ratio to minimum dead load output return)	$Z = E_{max}/(2*DR)$	n/a	
Rated output		n/a	mV/V
Maximum excitation voltage		+ 3	V DC
Input impedance (for strain gauge LCs)	RLC	n/a	Ω
Temperature rating		-10/+40	°C
Safe overload, relative	E_{lim}/E_{max}	150	% F.S
Fraction	PLC	1.0	
Cable length		n/a	m
Additional characteristics		-	

Certificate History

ISSUE NO.	DATE	DESCRIPTION
R60/2000-GB1-11.03	09 September 2011	Type approval first issued
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