National Measurement Office

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

OIML Certificate No
R60/2000-GB1-12.02

OIML CERTIFICATE OF CONFORMITY

Issuing authority:	**National Measurement Office**
Person responsible:	**Paul Dixon – Product Certification Manager**
Applicant:	**Applied Weighing International Ltd** **Southview Park** **Marsack Street** **Caversham** **Reading, RG4 5AF** **United Kingdom**
Manufacturer:	**The applicant**
Identification of the certified pattern:	**AW685 stainless steel compression 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**: C3

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: **02 April 2012**
Reference No: **TS13/0014**

Signatory: **P R Dixon**

UKAS PRODUCT CERTIFICATION 0135

BIS Department for Business Innovation & Skills

National Measurement Office | Stanton Avenue | Teddington | TW11 0JZ | United Kingdom
Tel +44 (0)20 8943 7272 | Fax +44 (0)20 8943 7270 | Web www.bis.gov.uk/nmo

The conformity was established by tests described in the associated test report SN: 1260 which includes 23 pages.

Characteristics of the Load Cell:

Model designation	Designation	Value	Units
Classification		C3	
Additional marking		CH	
Maximum number of load cell verification intervals	n_{LC}	3000	
Maximum capacity	E_{max}	1000, 2000, 5000	kg
Minimum dead load, relative	E_{min}/E_{max}	0	kg
Relative V_{min} (ratio to minimum LC verification interval)	$Y = E_{max}/V_{min}$	$E_{max}/3030$	kg
Relative DR (ratio to minimum dead load output return)	$Z = E_{max}/(2*DR)$	4552	
Rated output		0.95 +/-0.05	mV/V
Maximum excitation voltage		+ 15	V DC
Input impedance (for strain gauge LCs)	R_{LC}	380 +/-30	Ω
Temperature rating		-10/+40	°C
Safe overload, relative	E_{lim}/E_{max}	150	% F.S
Fraction	P_{LC}	0.7	
Cable length		6	m
Additional characteristics		6 wire	

Certificate History

Issue №.	Date	Description
R60/2000-GB1-12.02	02 April 2012	Type approval first issued
-	-	