



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

**OIML Certificate No
R60/2000-GB1-09.06**

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: **CAS Corporation**
Address: **#19 Ganap-ri
Gwangjuk-Myoun
Yangju-Si
Gyeonggi-Do 482-841
Rep. of Korea**

Manufacturer of the certified pattern is:

The applicant

Identification of the certified pattern:

Stainless Steel bending single point load cell

Model Designation	BCLS-xx, where xx relates to the load cell capacity							
Maximum capacity, E_{max} (kg)	10	15	20	25	30	35	40	50
Accuracy class	C4							
Maximum number of load cell intervals, n_{max}	4000							
Minimum verification interval, V_{min}	$E_{max} / 6500$							
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 : C4

OIML Certificate No R60/2000-GB1-09.06

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° SN1105 which includes 23 pages.

Issuing authority



Mr P Dixon
for NWML

CIML member



Mr P Mason

Date 21 September 2009

Ref: T1136/0041

Table 1: Essential technical data

<i>Model designation</i>	<i>Designation</i>	<i>Value</i>	<i>Units</i>
Classification		C4	
Additional marking		CH	
Maximum number of load cell verification intervals	n_{LC}	4000	
Maximum capacity	E_{max}	10, 15, 20, 25, 30, 35, 40, 50	kg
Minimum dead load, relative	E_{min}/E_{max}	0	kg
Relative V_{min} (ratio to minimum LC verification interval)	$Y = E_{max}/V_{min}$	6667	
Relative DR (ratio to minimum dead load output return)	$Z = E_{max}/(2*DR)$	4210	
Rated output		$2.0 \pm 10\%$	mV/V
Maximum excitation voltage		15	V DC
Input impedance (for strain gauge LCs)	R_{LC}	390 ± 25	Ω
Temperature rating		-10/+40	$^{\circ}C$
Safe overload, relative	E_{lim}/E_{max}	150	% F.S
Cable length		1.5 and 3	m
Additional characteristics		4 or 6-wire (plus shield)	

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.

CERTIFICATE HISTORY

ISSUE NO.	DATE	DESCRIPTION
R60/2000-GB1-09.06	21 September 2009	Certificate first issued.