

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

OIML Certificate No
R60/2000-GB1-09.06
Revision 1

OIML CERTIFICATE OF CONFORMITY

Issuing authority: **National Measurement Office**

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

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

Manufacturer: **The applicant**

Identification of the certified pattern: **BCLS-xx, (where xx relates to the load cell capacity)
Stainless Steel bending single point 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: [C4/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: 27 January 2012
Reference No: T1136/0041


Signatory: P R Dixon

The conformity was established by tests described in the following:

NMO Test report: SN 1105 having 23 pages
NMO Test report: SN 1198 having 20 pages

This revision replaces earlier versions of this certificate.

Characteristics of the Load Cell:

Model designation	Designation	Value		Units
Classification		C4	C3	
Additional marking		CH		
Maximum number of load cell verification intervals	n_{LC}	4000	3000	
Maximum capacity	E_{max}	10, 15, 20, 25, 30, 35, 40, 50	60, 70, 100, 150, 180, 200, 250, 300	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	6522	
Relative DR (ratio to minimum dead load output return)	$Z = E_{max}/(2*DR)$	4208	6701	
Rated output		2.0 ± 10 %	1.0 ± 10 %	mV/V
Maximum excitation voltage		15		V DC
Input impedance (for strain gauge LCs)	R_{LC}	390 ± 25		Ω
Temperature rating		-10/+40		°C
Safe overload, relative	E_{lim}/E_{max}	150		% F.S
Fraction	P_{LC}	0.7		
Cable length		1.5 & 3	2	m
Additional characteristics		4 or 6-wire (plus shield)		

Certificate History

ISSUE №.	DATE	DESCRIPTION
R60/2000-GB1-09.06	21 September 2009	Type approval first issued.
R60/2000-GB1-09.06 Rev. 1	27 January 2012	60 to 300 kg capacities added to certificate.