



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

OIML Certificate No
R60/2000-GB1-06.04

OIML CERTIFICATE OF CONFORMITY

Issuing authority

Name: **National Weights and Measures Laboratory**
Address: **Stanton Avenue
Teddington
Middlesex, TW11 0JZ
United Kingdom**

Person responsible: **Richard Sanders – Services Director**

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 &
Shanghai CAS Electronics Co., Ltd,
Maixinroad 448, Xinqiaozhen, Songjiangqu,
Shanghai, China**

Identification of the certified pattern:

Aluminium compression (beam) strain gauge load cell

Model Designation	BCO-xxL (where xx denotes maximum capacity)				
Maximum capacity, E_{\max}	60 kg	70kg	150 kg	180kg	200 kg
Accuracy class	C				
Humidity class	CH				
Maximum number of load cell intervals, n_{\max}	3000				
Minimum verification interval, V_{\min}	$E_{\max} / 7500$				
Apportionment factor; p_{LC}	0.7				

OIML Certificate No
R60/2000-GB1-06.04

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 : 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.

The conformity was established by tests described in the associated test report: N° SN0991 which includes 23 pages.

Issuing authority



Mr R P Sanders
for NWML

CIML member



Dr J W Llewellyn

Date 08 December 2006

Ref: T1136/0014

Table 1: Essential technical data

<i>Model designation</i>	<i>Designation</i>	<i>Value</i>	<i>Units</i>
Classification		C3	
Additional marking		-	
Maximum number of load cell verification intervals	n_{LC}	3000	
Maximum capacity	E_{max}	60, 70, 150, 180, 200	kg
Minimum dead load, relative	E_{min}/E_{max}	-	%
Relative V_{min} (ratio to minimum LC verification interval)	$Y = E_{max}/V_{min}$	7500	
Relative DR (ratio to minimum dead load output return)	$Z = E_{max}/(2*DR)$	12500	
Rated output		1.5	mV/V
Maximum excitation voltage		15	V dc
Input impedance (for strain gauge LCs)	R_{LC}	350	Ω
Temperature rating		-10/+40	$^{\circ}C$
Safe overload, relative	E_{lim}/E_{max}	150	%
Cable length		1.5	m
Additional characteristics		4- or 6-wire (plus screen)	

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.