



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

**OIML Certificate No
R60/2000-GB1-10.01**

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: **Gavin Stones – Deputy Product Certification Manager**

Applicant

Name: **Shanghai Yongheng Diance Instrument Co Ltd**
Address: **Measuring Instruments Co Ltd
Gangxi Town
Chongming
Shanghai
China**

Manufacturer of the certified pattern is:

The applicant

Identification of the certified pattern:

**Beam Compression Load Cell Type CZLA4
Further characteristics see page 2.**

Model Designation	CZLA4
Maximum capacity, E_{\max} (kg)	100 kg
Accuracy class	C3
Maximum number of load cell intervals, n_{\max}	3000
Minimum verification interval, v_{\min}	$E_{\max} / 1250$
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):

OIML Certificate No R60/2000-GB1-10.01

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: TR: 0571 having 25 pages.

Issuing authority

CIML member



Mr G Stones
for NWML



Mr P Mason

Date: 15 April 2010

Ref: T1136/0035

Essential technical data

<i>Model designation</i>	<i>Designation</i>	<i>Value</i>						<i>Units</i>
Classification		C3						
Additional marking		SH						
Maximum number of load cell verification intervals	n_{LC}	3000						
Maximum capacity	E_{max}	100	150	200	300	350	500	kg
Minimum dead load, relative	E_{min}/E_{max}	0						kg
Relative v_{min} (ratio to minimum LC verification interval)	$Y = E_{max}/v_{min}$	1250						
Relative DR (ratio to minimum dead load output return)	$Z = E_{max}/(2*DR)$	31367						
Rated output		2.0 ± 0.15						mV/V
Maximum excitation voltage		10						V (DC)
Input impedance (for strain gauge LCs)	R_{LC}	406 ± 4						Ω
Temperature rating		-10/+40						$^{\circ}C$
Safe overload, relative	E_{lim}/E_{max}	120						% F.S
Cable length (maximum)		1						m
Additional characteristics		4 wire (plus screen)						

Certificate History

ISSUE NO.	DATE	DESCRIPTION
R60/2000-GB1-10.01	15 April 2010	Certificate of conformity first issued

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