



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

OIML Certificate No
R60/2000-GB1-05.06
Revision 1

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: **Societa' Cooperativa Bilanciai Srl
Via S. Ferrari, 16
41011 Campogalliano
Campogalliano (Modena)
Italy**

Manufacturer of the certified pattern is:

**The applicant &
B & T Weighing System (Kunshan) Co, Ltd
Zhu Jia Wan Road
Zhou Shi Town
Kunshan
Jiangsu
China**

Identification of the certified pattern:

Stainless steel, compression load cell with digital output

Model Designation	EUROCELL, CPD & CPD-M					
Maximum capacity, E_{max} (t)	20, 35, 50					
Accuracy class	C					
Maximum number of load cell intervals, n_{max}	1000	2000	3000	4000	5000	6000
Minimum verification interval, V_{min} (t)	$E_{max}/5000$	$E_{max}/7000$	$E_{max}/18000$		$E_{max}/20000$	
Apportionment factor; p_{LC}	0.8					

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 : C**

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 reports: 991220EMC which includes 21 pages, 991213 which includes 21 pages and 991220 which includes 22 pages.

Note: Model CPD-M is compatible with the CPD model mentioned in the test report.

This Revision replaces earlier versions of the certificate.

Issuing authority



Mr P R Dixon
for NWML

CIML member



Mr P E Mason

Date: 27 July 2010

Ref: TS13/0001

Table 1: Essential technical data

<i>Model designation</i>	<i>Designation</i>	<i>Value</i>						<i>Units</i>
Classification		C1	C2	C3	C4	C5	C6	
Additional marking		-						
Maximum number of load cell verification intervals	n_{LC}	1000	2000	3000	4000	5000	6000	
Maximum capacity	E_{max}	20, 35, 50						t
Minimum dead load, relative	E_{min}/E_{max}	-						%
Relative V_{min} (ratio to minimum LC verification interval)	$Y = E_{max}/V_{min}$	5000	7000	18000		20000		
Relative DR (ratio to minimum dead load output return)	$Z = E_{max}/(2*DR)$	3000						
Rated output		200000						counts for E_{max}
Maximum excitation voltage		18						V DC
Input impedance (for strain gauge LCs)	R_{LC}	700						Ω
Temperature rating		-10/+40						$^{\circ}C$
Safe overload, relative	E_{lim}/E_{max}	150						%
Maximum cable length		1200						m

Certificate History

ISSUE NO.	DATE	DESCRIPTION
R76/2000-GB1-05.06	26 August 2005	Type approval first issued.
R76/2000-GB1-05.06 Revision 1	27 July 2010	Applicant and manufacturer address changed. New model added.

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.