



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

OIML Certificate No
R60/2000-GB1-05.07
Revision 2

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 strain gauge load cell

Model Designation	EUROCELL, CPR & CPR-M				
Maximum capacity, E_{\max} (t)	20, 35, 50				
Accuracy class	C				
Maximum number of load cell intervals, n_{\max}	1000	2000	3000	3000M	4000
Minimum verification interval, V_{\min} (t)	$E_{\max}/14000$				
Apportionment factor; p_{LC}	0.7				

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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: 971124 which includes 24 pages and 971103 which includes 24 pages.

Note: Model CPR-M is compatible with the CPR model as detailed 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

Model designation	Designation	Value					Units
		C1	C2	C3	C3M	C4	
Classification		C1	C2	C3	C3M	C4	
Additional marking		-					
Maximum number of load cell verification intervals	n_{LC}	1000	2000	3000	3000	4000	
Maximum capacity	E_{max}	20, 35, 50					t
Minimum dead load, relative	E_{min}/E_{max}	0.5					%
Relative V_{min} (ratio to minimum LC verification interval)	$Y = E_{max}/V_{min}$	14000					
Relative DR (ratio to minimum dead load output return)	$Z = E_{max}/(2*DR)$	-			8000	-	
Rated output		2					mV/V
Maximum excitation voltage		18					V DC
Input impedance (for strain gauge LCs)	R_{LC}	700 \pm 5 Ω					Ω
Temperature rating		-10/+40					$^{\circ}$ C
Safe overload, relative	E_{lim}/E_{max}	150					%
Cable length		18					m
Additional characteristics		6 wire (0.5 mm ²) + double shield Class C3M is suitable for multi interval instruments					

Certificate History

ISSUE NO.	DATE	DESCRIPTION
R76/2000-GB1-05.07	26 August 2005	Type approval first issued.
R76/2000-GB1-05.07 Revision 1	16 February 2006	Added 20, 35 t capacity
R76/2000-GB1-05.07 Revision 2	27 July 2010	Applicant and manufacturer address changed. New model name added.

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