



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

OIML Certificate No  
R60/2000-GB1-05.07  
Revision 1

## OIML CERTIFICATE OF CONFORMITY

Issuing authority

Name:

Address:

**National Weights and Measures Laboratory  
Stanton Avenue  
Teddington  
Middlesex  
TW11 0JZ  
United Kingdom**

Person responsible:

**Paul Dixon  
Business Team Manager - Type Approval & Testing.**

Applicant

Name:

**Weightron Bilanciai Ltd  
Titan Works  
Bridge Way off Broombank Road  
Chesterfield Trading Estate  
Chesterfield  
S41 9QJ  
United Kingdom**

Manufacturer of the certified pattern is:

**The applicant**

Identification of the certified pattern:

**Stainless steel, compression strain gauge load cell**

Model Designation	EUROCELL, CPR				
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.

This Revision replaces earlier versions of the certificate.

Issuing authority



Mr P R Dixon  
*for* NWML

CIML member



Dr J W Llewellyn

Date    16 February 2006  
Ref:    T1136/0009

**Table 1: Essential technical data**

<i>Model designation</i>	<i>Designation</i>	<i>Value</i>					<i>Units</i>
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)	$R_{LC}$	$700 \pm 5\Omega$					$\Omega$
Temperature rating		-10/+40					°C
Safe overload, relative	$E_{lim}/E_{max}$	150					%
Cable length		18					m
Additional characteristics		6 wire (0.5 mm <sup>2</sup> ) + double shield Class C3M is suitable for multi interval instruments					

*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.