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

OIML Certificate No
R60/2000-GB1-05.06

OIML CERTIFICATE OF CONFORMITY

Issuing authority

Name: **National Weights and Measures Laboratory**

Address: **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 load cell with digital output

Model Designation	EUROCELL, CPD					
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.

Issuing authority

Mr P R Dixon
for NWML

CIML member

Dr J W Llewellyn

Date 26 August 2005
Ref: T1136/0004

Table 1: Essential technical data

Model designation	*Designation*	*Value*						*Units*
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	1800		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						°C
Safe overload, relative	E_{lim}/E_{max}	150						%
Maximum cable length		1200						m