NATIONAL WEIGHTS AND MEASURES LABORATORY

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

OIML Certificate No
R60/2000-GB1-09.07

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: **Leon Engineering S.A**

Address: **8 Tsoka Street**
19600 Mandra Attica
Greece

Manufacturer of the certified pattern is:

The applicant

Identification of the certified pattern:

Stainless steel compression strain gauge load cell

Model Designation	CP-30					
Maximum capacity, E_{max} (t)	18	20	25	30	35	50
Accuracy class	C4					
Maximum number of load cell intervals, n_{max}	4000					
Minimum verification interval, V_{min}	E_{max} / 15000					
Apportionment factor; p_{LC}	0.70					

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 : C4**

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.

OIML Certificate No R60/2000-GB1-09.07

This certificate does not bestow any form of legal international approval.

The conformity was established by tests described in the associated:

Test report: 08/34505217/L having 29 pages (issued by LGAI)

Issuing authority

Mr P R Dixon
for NWML

CIML member

Mr P Mason

Date 17 September 2009
Ref: T1136/0045

Essential technical data

Model designation	*Designation*	*Value*	*Units*
Classification		C4	
Additional marking		CH	
Maximum number of load cell verification intervals	n_{LC}	4000	
Maximum capacity	E_{max}	18, 20, 25, 30, 35, 50	t
Minimum dead load, relative	E_{min}/E_{max}	0	t
Relative V_{min} (ratio to minimum LC verification interval)	$Y = E_{max}/V_{min}$	15000	
Relative DR (ratio to minimum dead load output return)	$Z = E_{max}/(2*DR)$	4000	
Rated output		2	mV/V
Maximum excitation voltage		18	V DC
Input impedance (for strain gauge LCs)	R_{LC}	800	Ω
Temperature rating		-10/+40	°C
Safe overload, relative	E_{lim}/E_{max}	125	% F.S
Cable length (maximum)		15	m
Additional characteristics		4 or 6 wire (plus screen)	

Certificate History

ISSUE NO.	DATE	DESCRIPTION
R60/2000-GB1-09.07	17 September 2009	Type approval first issued