

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

OIML Certificate No
R60/2000-GB1-13.02

OIML CERTIFICATE OF CONFORMITY

Issuing authority: **National Measurement Office**

Person responsible: **Paul Dixon – Product Certification Manager**

Applicant: **LOADTECH, S.L.
Portal Nou, 46
Terrassa (Barcelona)
Spain**

Manufacturer: **The applicant**

Identification of the certified pattern: **LTC stainless steel compression load cell**

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):

OIML R 60 - 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.

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

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.

Issue Date: 13 June 2013
Reference No: TS13/0021



Signatory: G Stones

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The NMO is an Executive Agency of the Department for Business, Innovation & Skills



The conformity was established by tests described in the associated test report 07/31703826/L issued by LGAI, Spain.

Characteristics of the Load Cell

Model designation	LTC		
	Designation	Value	Units
Classification		C4	
Additional marking		-	
Maximum number of load cell verification intervals	n_{LC}	4000	
Maximum capacity	E_{max}	14, 15, 20, 25, 30, 35, 40, & 50	t
Minimum dead load, relative	E_{min}/E_{max}	0	%
Relative V_{min} (ratio to minimum LC verification interval)	$Y = E_{max}/V_{min}$	$E_{max}/14000$	
Relative DR (ratio to minimum dead load output return)	$Z = E_{max}/(2*DR)$	6031	
Rated output		$2.0 \pm 0.1\%$	mV/V
Maximum excitation voltage		15	V DC
Input impedance (for strain gauge LCs)	R_{LC}	800 ± 3	Ω
Temperature rating		-10/+40	$^{\circ}C$
Safe overload, relative	E_{lim}/E_{max}	150	%
Fraction	P_{LC}	0.7	
Cable length		20	m
Additional characteristics		6 wire	

Load cell type LTC can have other maximum capacities from 14 t to 50 t for C4, respecting always its metrological and constructive characteristics according to OIML R60.

Certificate History

Issue №.	Date	Description
R60/2000-GB1-13.02	13 June 2013	Certificate first issued
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