

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

OIML Certificate No
R60/2000-GB1-17.10

OIML CERTIFICATE OF CONFORMITY

Issuing authority: **NMO**
Person responsible: **Mannie Panesar – Head of Technical Services**
Applicant: **RICE LAKE WEIGHING SYSTEMS EUROPE B.V.
Weiland 11
6666 MH Heteren
The Netherlands**
Manufacturer: **The applicant**
Identification of the certified pattern: **RL5426 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 R60 - Edition 2000(E) for accuracy class: [C3], [C4], [C5] & [C6]

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: 22 May 2017



Grégory Glas
Technical Manager
For and on behalf of the Head of Technical Services



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The conformity was established by testing and examinations described in the associated test report issued by LGAI, No. 14/34511808-L, which includes 29 pages.

Characteristics of the Load Cell:

Model designation	Designation	Value				Units
		C3	C4	C5	C6	
Classification		C3	C4	C5	C6	
Additional marking		-				
Maximum number of load cell verification intervals	n_{LC}	3 000	4 000	5 000	6 000	
Maximum capacity	E_{max}	10, 20, 30, 40 & 50				t
Minimum dead load, relative	E_{min}/E_{max}	0				%
Relative V_{min} (ratio to minimum LC verification interval)	$Y = E_{max}/V_{min}$	18 000				
Relative DR (ratio to minimum dead load output return)	$Z = E_{max}/(2*DR)$	10 000				
Rated output		2.0				mV/V
Maximum excitation voltage		15				V DC
Input impedance (for strain gauge LCs)	R_{LC}	800 ± 5				Ω
Temperature rating		-10 to +40				$^{\circ}C$
Apportionment fraction	P_{LC}	0.7				
Safe overload, relative	E_{lim}/E_{max}	150				%
Cable length		≤ 20				m
Additional characteristics		6-wire shielded, with the shielding not connected to the load cell,				

Load cell type RL5426 can have other maximum capacities from 10 t to 50 t, respecting always its metrological and constructive characteristics, according to OIML R60 (2000).

CERTIFICATE HISTORY

ISSUE NO.	DATE	DESCRIPTION
R60/2000-GB1-17.10	22 May 2017	Certificate first issued.
-	-	No revisions have been issued.