

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

OIML Certificate No
R60/2000-GB1-13.01
Revision 1

OIML CERTIFICATE OF CONFORMITY

Issuing authority: **NMO**
Person responsible: **Max Linnemann – Head of Certification Body**
Applicant: **Flintec UK Ltd
W4/5 Capital Point
Capital Business Park
Wentloog Avenue
Cardiff, CF3 2PW
United Kingdom**
Manufacturer: **The applicant**
Identification of the
certified pattern: **PC7 stainless steel 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: [C3], [C4] and M16

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.

This revision replaces previous versions of the certificate.

Issue Date: **12 September 2016**
Reference No: **TS13/0017**



Grégory Glas
Technical Manager
For and on behalf of the Head of Certification Body



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The conformity was established by testing and examination described in the associated Test Report SN 1246 which includes 22 pages and SN 1251 which includes 22 pages, and Supplement to Test Report SN 1251 which include 2 pages.

Characteristics of the Load Cell:

Model designation	Designation	Value	Units
Classification		C3 C4	
Additional marking		-	
Maximum number of load cell verification intervals	n_{LC}	3000 4000	
Maximum capacity	E_{max}	100, 250 & 500	kg
Minimum dead load, relative	E_{min}/E_{max}	0	%
Relative V_{min} (ratio to minimum load cell verification interval)	$Y = E_{max}/V_{min}$	15 000	
Relative DR (ratio to minimum dead load output return)	$Z = E_{max}/(2*DR)$	7 820	
Rated output		2.0 ± 0.2	mV/V
Maximum excitation voltage		15	V dc
Input impedance (for strain gauge load cells)	R_{LC}	380 ± 20	Ω
Temperature rating		-10/+40	$^{\circ}C$
Safe overload, relative	E_{lim}/E_{max}	200	% F.S
Fraction	P_{LC}	0.7	
Cable length		3	m
Additional characteristics		6- wire	

Note:

The above identified Type (represented by the sample(s) identified in the OIML Test Report) have been found to comply with the additional national requirements established by the United States (NIST Handbook 44 and NCWM Publication 14) and specified in the following OIML documents:

- R60 DoMC-01 Rev, 1, Additional requirements from the United States: Accuracy class III L.
- R60 DoMC-02 Rev, 0, Additional requirements from the United States: Marking requirements.

CERTIFICATE HISTORY

ISSUE NO.	DATE	DESCRIPTION
R60/2000-GB1-13.01	15 March 2013	Certificate first issued.
R60/2000-GB1-13.01 Revision 1	12 September 2016	Supplement to Test Report SN 1251 and Note added (page 2).