

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

OIML Certificate No
R60/2000-GB1-13.01

OIML CERTIFICATE OF CONFORMITY

Issuing authority: **National Measurement Office**

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

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 and C4 MI6

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: 15 March 2013
Reference No: TS13/0017



Signatory: P R Dixon

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



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The conformity was established by tests described in the associated test reports SN: 1246 and SN: 1251 issued by NMO.

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 LC verification interval)	$Y = E_{max}/V_{min}$	15000		
Relative DR (ratio to minimum dead load output return)	$Z = E_{max}/(2*DR)$	7820		
Rated output		2.0 ± 0.2		mV/V
Maximum excitation voltage		15		V DC
Input impedance (for strain gauge LCs)	R_{LC}	380 ± 20		Ω
Temperature rating		-10/+40		$^{\circ}C$
Safe overload, relative	E_{lim}/E_{max}	200		%
Fraction	P_{LC}	0.7		
Cable length		3		m
Additional characteristics		6 wire		

Certificate History

Issue №.	Date	Description
R60/2000-GB1-13.01	15 March 2013	Certificate first issued
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