



**National  
Measurement &  
Regulation Office**



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

OIML Certificate No  
R60/2000-GB1-15.03

## OIML CERTIFICATE OF CONFORMITY

Issuing authority: **National Measurement and Regulation Office**

Person responsible: **Paul Dixon – Director, Certification Services**

Applicant: **Cardinal Scale Manufacturing Company  
203 East Daugherty Street  
Webb City  
Missouri 64870  
USA**

Manufacturer: **The applicant**

Identification of the certified pattern: **FP-XXXKG  
(with XXX the capacity of the load cell in kg)**

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]**

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: **10 September 2015**  
Reference No: **TS13/0029**

**G Stones**  
**Technical Manager - Certification Services**  
*For and on behalf of the Chief Executive*

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The NMRO is an Executive Agency of the Department for Business Innovation and Skills



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The conformity was established by testing and examination described in the associated Test Report SN 1328 which includes 24 pages.

**Characteristics of the Load Cell:**

Model designation	Designation	Value	Units
Classification		C3	
Additional marking		CH	
Maximum number of load cell verification intervals	$n_{LC}$	3000	
Maximum capacity	$E_{max}$	125, 250, 375, 500, 625	kg
Minimum dead load, relative	$E_{min}/E_{max}$	1	% F.S
Safe overload, relative	$E_{lim}/E_{max}$	150	% F.S
Relative $V_{min}$ (ratio to minimum LC verification interval)	$Y = E_{max}/V_{min}$	3000	
Relative DR (ratio to minimum dead load output return)	$Z = E_{max}/(2*DR)$	6000	
Rated output		$1.8 \pm 1.0\%$	mV/V
Maximum excitation voltage		12	V dc
Input impedance (for strain gauge LCs)	$R_{LC}$	$1000 \pm 7$	$\Omega$
Temperature rating		+10 to +40	$^{\circ}C$
Fraction	$P_{LC}$	0.7	
Cable length		0.9	m
Additional characteristics		N/A	

**CERTIFICATE HISTORY**

ISSUE NO.	DATE	DESCRIPTION
R60/2000-GB1-15.03	10 September 2015	Certificate first issued.
-	-	No revisions have been issued.