NMO

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

OIML Certificate No
R60/2000-GB1-17.18

OIML CERTIFICATE OF CONFORMITY

Issuing authority: **NMO**

Person responsible: **Mannie Panesar – Head of Technical Services**

Applicant: **CARDINAL SCALE MANUFACTURING COMPANY**
203 EAST DAUGHERTY STREET
WEBB CITY, MISSOURI
MO 64870
USA

Manufacturer: **The applicant**

Identification of the certified pattern: **DC Series digital 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**: **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: **10 November 2017**

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

UKAS PRODUCT CERTIFICATION
0135

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NMO is part of the Regulatory Delivery directorate within the Department for Business, Energy & Industrial Strategy

The conformity was established by testing and examinations described in the associated test reports:

TEST REPORT NUMBER	DATE ISSUED	NUMBER OF PAGES	ISSUING AUTHORITY
03945	17/10/2017	24	Avery Weigh-Tronix
SN 1407	02/11/2017	12	NMO

Characteristics of the Load Cell:

Model designation	Designation	Value		Units
Classification		C4		
Additional marking		CH		
Maximum number of load cell verification intervals	n_{LC}	4000		
Maximum capacity	E_{max}	22.68 – 113.40		t
Minimum dead load, relative	E_{min}/E_{max}	0		%
Relative v_{min} (ratio to minimum load cell verification interval)	$Y = E_{max}/V_{min}$	12000	17000	
Relative DR (ratio to minimum dead load output return)	$Z = E_{max}/(2*DR)$	4000		
The number of counts for E_{max}		$\geq Y*5*P_{lc}$		counts
Rated output		N/A		mV/V
Excitation voltage		12 - 24		V dc
Input impedance (for strain gauge load cells)	R_{LC}	N/A		
Temperature rating		-10 / + 40		°C
Safe overload, relative	E_{lim}/E_{max}	200		% F.S
Apportionment factor	P_{LC}	0.8		
Additional characteristics:				
Transducer material	Stainless steel			
Atmospheric protection	Potting and welded cover			

CERTIFICATE HISTORY

ISSUE NO.	DATE	DESCRIPTION
R60/2000-GB1-17.18	10 November 2017	Certificate first issued.
-	-	No revisions have been issued.