

	
OIML Member State United Kingdom of Great Britain and Northern Ireland	OIML Certificate No. R60/2000-A-GB1-18.03 Revision 2
OIML CERTIFICATE ISSUED UNDER SCHEME A	
OIML Issuing Authority	NMO Stanton Avenue Teddington TW11 0JZ United Kingdom
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 type	AC <i>(the detailed characteristics are defined in the Descriptive Annex)</i>
<p>This OIML Certificate attests the conformity of the above identified type (represented by the sample(s) identified in the OIML type evaluation report) with the requirements of the following Recommendation of the International Organization of Legal Metrology (OIML):</p> <p>OIML R 60, Edition: 2000</p> <p>For accuracy class: C4 or C3</p>	
<p>Issue date: 13 December 2018</p> <p>The OIML Issuing Authority</p>  <p>Grégory Glas Lead Technical Manager <i>For and on behalf of the Head of Technical Services</i></p>	

This OIML Certificate relates only to metrological and technical characteristics of the type of measuring instrument covered by the relevant OIML Recommendation identified above.

This OIML Certificate does not bestow any form of legal international approval.

The conformity was established by the results of tests and examinations provided in the associated OIML type evaluation report:

No. P02542-2 dated 13 December 2018 that includes 3 pages

The technical documentation relating to the identified type is contained in documentation file:

No. P02197-D dated 25 May 2018.

OIML Certificate History

Revision No.	Date	Description of the modification
Revision 0	25 May 2018	Certificate first issued
Revision 1	23 October 2018	Maximum Capacity: lower range extended to include 22.5 t. Accuracy class C4 and Y = 15000, for E _{max} 22.5 t – 112.5 t.
Revision 2	13 December 2018	Type evaluation report number changed from P02197

This revision replaces previous versions of the certificate

Important note:

Apart from the mention of the Certificate's reference number and the name of the OIML Member State in which the Certificate is issued, partial quotation of the Certificate and of the associated OIML type evaluation report(s) is not permitted, although either may be reproduced in full.

DESCRIPTIVE ANNEX

Characteristics of the Load Cell:

	Designation	Value							Units
Accuracy Class		C4					C3		
Additional marking		CH							
Maximum number of load cell verification intervals	n_{LC}	4 000					3 000		
Maximum capacity	E_{max}	22.5	30	40	50	100	112.5	150	t
Minimum dead load, relative	E_{min}/E_{max}	0							%
Minimum load cell verification interval	v_{min}	1.5	2	2.7	3.4	6.7	7.5	15	kg
Relative v_{min} (ratio to minimum load cell verification interval)	$Y = E_{max}/v_{min}$	15 000					10 000		
Relative DR (ratio to minimum dead load output return)	$Z = E_{max}/(2*DR)$	4 000					3 000		
Rated output		2							mV/V
Maximum excitation voltage		15							Vac/dc
Input impedance (for strain gauge load cells)	R_{LC}	1150 ± 50							Ω
Temperature rating		-10 / + 40							°C
Safe overload, relative	E_{lim}/E_{max}	200							% F.S
Apportionment factor	P_{LC}	0.7							
Cable length:		≤ 18							m
Additional characteristics:		6 wire							
Transducer material		Stainless steel							
Atmospheric protection		Hermetic Welded							
Output impedance		1005 ± 5							Ω
Reference excitation voltage		10							Vac/dc
Cable cross-section		0.25							mm ²