NMO	OIML Certification System
OIML Member State United Kingdom of Great Britain and Northern Ireland	**OIML Certificate No.** **R60/2000-A-GB1-20.03**

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	**Applied Weighing International Ltd** **Southview Park, Marsack Street** **Caversham, Reading, RG4 5AF** **United Kingdom**
Manufacturer	**The Applicant**
Identification of the certified type	**AW685 stainless steel compression load cell** *(the detailed characteristics are defined in the Descriptive Annex)*

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):

OIML R 60, Edition: 2000

For accuracy class: **C3**

Issue date: 21 January 2020

The OIML Issuing Authority

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

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. P02717 dated 21 January 2020 that includes 3 pages

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

No. P02717-D dated 21 January 2020.

OIML Certificate History

Revision No.	**Date**	**Description of the modification**
Revision 0	21 January 2020	Certificate first issued
-	-	-

No revisions have been issued.

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		C3			
Additional marking		CH			
Maximum number of load cell verification intervals	n_{LC}	3 000			
Maximum capacity	E_{max}	1000	2000	5000	kg
Minimum dead load, relative	E_{min}/E_{max}	0			%
Minimum load cell verification interval	v_{min}	0.33	0.66	1.65	kg
Relative v_{min} (ratio to minimum load cell verification interval)	$Y = E_{max}/v_{min}$	3030			
Relative DR (ratio to minimum dead load output return)	$Z = E_{max}/(2*DR)$	4500			
Rated output		1.00 ± 0.05			mV/V
Excitation voltage		10			V dc
Input impedance (for strain gauge load cells)	R_{LC}	380±30			Ω
Temperature rating		-10 / + 40			°C
Safe overload, relative	E_{lim}/E_{max}	150			% F.S
Apportionment factor	P_{LC}	0.7			
Cable length:		≤ 6			m
Additional characteristics:	6 wire				
Maximum Excitation voltage	15				V dc
Output impedance	350±5				Ω
Transducer material	Stainless steel 17-4PH				
Atmospheric protection	Hermetic Welded and IP68				

CERTIFICATE HISTORY

ISSUE NO.	DATE	DESCRIPTION
R60/2000-A-GB1-20.02	21 January 2020	Certificate first issued.
-	-	No revisions have been issued.