



Office for Product
Safety & Standards



OIML Member State

United Kingdom of Great Britain
and Northern Ireland

OIML Certificate No.
R60/2000-A-GB1-22.01
Revision 1

OIML CERTIFICATE ISSUED UNDER SCHEME A

OIML Issuing Authority **Office for Product Safety and Standards**
Stanton Avenue
Teddington
TW11 0JZ
United Kingdom

Person responsible: **Mannie Panesar**

Applicant **Avery India Ltd**
Plots 50--59
Sector 25
Ballabgarh-121004
Haryana
India

Manufacturer **The applicant**

Identification of the certified type **T202x 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: **C4**

Issue date: 14 October 2022

The OIML Issuing Authority

Marek Bokota

Technical Manager

For and on behalf of the Office for Product Safety and Standards

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. P03092 Revision 1 dated 14 October 2022 that includes 4 pages.

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

No. P03129-D dated 14 October 2022.

OIML Certificate History

Revision No.	Date	Description of the modification
Revision 0	23 March 2022	Certificate first issued.
Revision 1	14 October 2022	NMO references replaced with Office for Product Safety and Standards. 22.5 t capacity load cell added. Specifications for 45 t capacity load cell updated to C4, $p_{LC} = 0.7$. Documentation file reference updated from P03092-D.

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
Model		T202x		
Accuracy Class		C4		
Additional marking		CH		
Maximum number of load cell verification intervals	n_{LC}	4 000		
Maximum capacity	E_{max}	22 500	45 000	kg
Minimum dead load, relative	E_{min}/E_{max}	0		%
Minimum load cell verification interval	V_{min}	$E_{max}/11\,250$		kg
Relative V_{min} (ratio to minimum load cell verification interval)	$Y = E_{max}/V_{min}$	11 250		
Relative DR (ratio to minimum dead load output return)	$Z = E_{max}/(2*DR)$	4 000		
Rated output		1.75		mV/V
Reference excitation voltage		10		V dc
Excitation voltage range		10 - 15		V dc
Input impedance	R_{LC}	560 - 620		Ω
Temperature rating		-10 / + 40		$^{\circ}C$
Safe overload, relative	E_{lim}/E_{max}	150		% F.S
Apportionment factor	p_{LC}	0.7		
Cable length		20		m
Cable cross-section		Each core 0.22		mm ²
Additional characteristics:	6-wire: Green (+Exc) Black (-Exc) White (+Signal) Red (-Signal) Blue (+Ref) Yellow (-Ref)			
Output impedance		475 - 485		Ω
Transducer material	Stainless Steel			
Atmospheric protection	Hermetic sealing IP68			