

	
<b>OIML Member State</b> United Kingdom of Great Britain and Northern Ireland	<b>OIML Certificate No.</b> <b>R60/2000-A-GB1-21.01</b>
<b>OIML CERTIFICATE ISSUED UNDER SCHEME A</b>	
OIML Issuing Authority	<b>NMO</b> <b>Stanton Avenue</b> <b>Teddington</b> <b>TW11 0JZ</b> <b>United Kingdom</b>  Person responsible: <b>Mannie Panesar – Head of Technical Services</b>
Applicant	<b>Avery Weigh-Tronix</b> <b>Foundry Lane</b> <b>Smethwick</b> <b>West Midlands, B66 2LP</b> <b>United Kingdom</b>
Manufacturer	<b>The applicant</b>
Identification of the certified type	<b>T301x Digital compression alloy steel load cell</b> <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><b>OIML R 60, Edition: 2000</b></p> <p>For accuracy class: <b>C6</b></p>	
<p>Issue date: 03 August 2021</p> <p><b>The OIML Issuing Authority</b></p>  <p><b>Grégory Glas</b>  <b>Lead Technical Manager</b>  <i>For and on behalf of the Head of NMO</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. P02988 dated 03 August 2021 that includes 4 pages

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

No. P02988-D dated 03 August 2021.

#### **OIML Certificate History**

<b>Revision No.</b>	<b>Date</b>	<b>Description of the modification</b>
Revision 0	03 August 2021	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:**

	<b>Designation</b>	<b>Value</b>		<b>Units</b>
Accuracy Class		C6		
Additional marking		CH		
Maximum number of load cell verification intervals	$n_{LC}$	6 000		
Maximum capacity	$E_{max}$	30 000	45 000	kg
Minimum dead load, relative	$E_{min}/E_{max}$	0		%
Minimum load cell verification interval	$V_{min}$	1.5		kg
Relative $v_{min}$ (ratio to minimum load cell verification interval)	$Y = E_{max}/V_{min}$	20 000	30 000	
Relative DR (ratio to minimum dead load output return)	$Z = E_{max}/(2*DR)$	N/A		
Rated output		N/A		mV/V
Input impedance (for strain gauge load cells)	$R_{LC}$	N/A		$\Omega$
Temperature rating		-10 / + 40		$^{\circ}C$
Safe overload, relative	$E_{lim}/E_{max}$	150		% F.S
Apportionment factor	$P_{LC}$	0.8		
Maximum Excitation voltage		12		V dc
Additional characteristics:		-		

The above identified Type (also identified in the associate OIML Test Report) have been found to comply with the additional national requirements established by the United States of America (NIST Handbook 44 and NCWM Publication 14), included in the Utilizer Declaration:

- R60 OIML-CS rev. 2, Additional requirements from the United States Accuracy class III L.
- R60 OIML-CS rev. 2, Additional requirements from the United States Marking requirements.

The software version information for the digital load cell shall be V1.x.x.x, where x.x.x represents non-legally relevant changes. The part number of the firmware is AWT30-500999. To display the information: Press and hold the setup button on the connected indicator (e.g. ZM510 / ZM605 / ZM615) then enter password "111" - Select diagnostic.

Alternatives:

Authorised alternative manufacturer:

Avery India Limited  
Plot Nos. 50-59, sector – 25,  
Ballabgarh – 121004 (Haryana)  
India