

		
OIML Member State Denmark	OIML Certificate No. R134/2006-A-DK2-24.01 Revision 1	
OIML CERTIFICATE ISSUED UNDER SCHEME A		
OIML Issuing Authority Name: FORCE Certification A/S Address: Park Allé 345, 2605 Brøndby, Denmark Person responsible: Per Rafn Crety		
Applicant Name: Tunaylar Baskül Sanayi ve Ticaret A.Ş. Address: Akçaburgaz Mah. 3124 Sok. No:10 Esenyurt - İstanbul Turkey		
Manufacturer Tunaylar Baskül Sanayi ve Ticaret A.Ş.		
Identification of the certified type <i>(the detailed characteristics will be defined in the additional pages)</i> LL2/AW		
Designation of the module <i>(if applicable)</i> Automatic instrument for weighing road vehicles in motion		
<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 R134-1, Edition (year): 2006</p> <p>For accuracy class (if applicable): 1 or 2 – total weight C or D or E – single axle load B or C or D or E – axle group load</p>		

<div><div>OIML Certificate No.</div><div>R134/2006-A-DK2-24.01 Revision 1</div></div>																	
<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.</p> <p>This OIML Certificate does not bestow any form of legal international approval.</p>																	
<p>The conformity was established by the results of tests and examinations provided in the associated OIML reports:</p> <p>Type examination report: No. DANAK-199782, dated 14 October 2005, that includes 76 pages Type examination report: No. DANAK-1910532, dated 27 May 2009, that includes 66 pages Type examination report: No. DANAK-1913637, dated 03 December 2013, that includes 52 pages Type evaluation report: No. 124-22951.90.10 rev.1, dated 04 April 2024, that includes 12 pages</p>																	
<p>The technical documentation relating to the identified type is contained in documentation file: 124-22951.90.10</p>																	
<p>OIML Certificate History</p> <table border="1"><thead><tr><th>Revision No.</th><th>Date</th><th>Description of the modification</th></tr></thead><tbody><tr><td>Initial version</td><td>27 February 2024</td><td>-</td></tr><tr><td>1</td><td>13 February 2025</td><td>Type evaluation report revised</td></tr><tr><td> </td><td> </td><td> </td></tr><tr><td> </td><td> </td><td> </td></tr></tbody></table>			Revision No.	Date	Description of the modification	Initial version	27 February 2024	-	1	13 February 2025	Type evaluation report revised						
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<p>Identification, signature and stamp</p> <p>The OIML Issuing Authority FORCE Certification A/S</p> <p>Date: 13 February 2025</p> <p>Jens Hovgård Jensen Certification Manager</p>																	
<p><i>Important note:</i> 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.</p>																	

Descriptive annex

Characteristics

Accuracy class, total weight		1	2
Accuracy class, single axle load		C or D	C or D or E
Accuracy class, axle-group load		B or C or D	C or D or E
Maximum capacity	Max	$\leq 30\,000\text{ kg}$	
Minimum capacity	Min	$\geq 50 \times d$	$\geq 10 \times d$
Scale interval	d	$\leq 20\text{ kg}$	$\leq 50\text{ kg}$
Number of verification scale intervals	n	$500 \leq n \leq 3000$	$50 \leq n \leq 1000$
Maximum operation speed	v_{\max}	9 km/h	
Minimum operation speed	v_{\min}	1 km/h	
Maximum transit speed:		30 km/h	
Maximum number of axles:	a_{\max}	15	
Direction of travel		dual	
Scale interval for stationary load	E	$\geq 0.8\text{ }\mu\text{V}$	
Power supply voltage:		12 V _{DC}	
Connected load cells		Shall comply with R60	
Temperature range for the indicator		$-10\text{ }^{\circ}\text{C} / +40\text{ }^{\circ}\text{C}$	
Software version for LL2/AW		1.93.xx	

Interfaces

2 × RS232/RS422/RS485

Load cells

The instrument uses one load cell type Flintec PC1 C3 ($E_{\max} = 30 \text{ kg}$) located in the centre of the weighing conveyor.

Any analogue load cells may be used for this instrument provided the following conditions are met:

- 1) There is an OIML Certificate of Conformity (R60:2000 or R60:2017) issued for the load cell
- 2) The certificate contains the load cell types and the necessary load cell data required for the manufacturer's declaration of compatibility of modules (OIML R76:2006 Annex F), and any particular installation requirements. A load cell marked NH is allowed only if humidity testing to OIML R76:2006 has been conducted on this load cell.
- 3) The compatibility of load cells and indicator is established by the manufacturer by means of the compatibility of modules form, according to OIML R76:2006 Annex F.
- 4) The load cell transmission must be a standard, non-critical design.

Sealing Measures

The indicator and the junction box for load cells shall be sealed against access to their internal by sealing using wire and seal or tamper-evident stickers.

Detachable load cell connectors shall be sealed using tamper-evident stickers.

