

**OIML Member State**  
The Netherlands

Number R60/2021-A-NL1-24.26 revision 0  
Project number 3700275  
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Issuing authority

NMi Certin B.V.  
Person responsible: M.Ph.D. Schmidt

Applicant and  
Manufacturer

Changzhou Weibo Weighing Equipment System Co., Ltd.  
No.3 Building, Sino-Europe (Changzhou) Testing,  
Inspection and Cooperation Industrial Park, Tianning District  
213000 Changzhou, China

Identification of the  
certified type

A **shear beam load cell**, with strain gauges  
Registered trade name : Webowt or FLINWEBO  
Type : WB702 series

Characteristics

See next page

This OIML Certificate is issued under scheme A.

This Certificate attests the conformity of the above identified Type (represented by the sample(s) identified in the OIML Test Report) with the requirements of the following Recommendation of the International Organization of Legal Metrology (OIML):

**OIML R 60-1:2021** for accuracy class C

This Certificate relates only to the metrological and technical characteristics of the type of measuring instrument covered by the relevant OIML International Recommendation above-identified. This Certificate does not bestow any form of legal international approval.

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Issuing Authority

**NMi Certin B.V., OIML Issuing Authority NL1**  
1 August 2024

Certification Board

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The conformity was established by the results of tests and examinations provided in the associated reports:

- No. NMI-3700275-01 dated 1 August 2024 that includes 46 pages;
- No. NMI-3700275-02 dated 1 August 2024 that includes 51 pages.

### Characteristics of the load cell:

Characterization of load cell capabilities	Analog-passive load cell	
Maximum capacity ( $E_{max}$ )	220 kg up to 1100 kg	1100 kg up to and including 5500 kg
Minimum dead load	0 kg	
Accuracy Class	C	
Rated Output	1,94 mV/V $\pm$ 0,002 mV/V	
Maximum number of load cell intervals (n) <sup>(1)</sup>	3000	
Ratio of minimum LC Verification interval <sup>(1)</sup> $Y = E_{max} / V_{min}$	8400	4000
Ratio of minimum dead load output return <sup>(1)</sup> $Z = E_{max} / (2 * DR)$	9000	
Input impedance	385 $\Omega$ $\pm$ 10 $\Omega$	
Temperature range	-10 $^{\circ}$ C / + 40 $^{\circ}$ C	
Fraction $p_{LC}$	0,7	
Humidity Class	CH	
Safe overload	150 % of $E_{max}$	
Output impedance	350 $\Omega$ $\pm$ 10 $\Omega$	
Recommended excitation	5-15 V AC / DC	
Excitation maximum	20 V AC / DC	
Transducer material	Stainless steel	
Atmospheric protection	Hermetically welded	

Remark:

1. The characteristics for  $n_{max}$ , Y and Z can be reduced separately.

Each load cell produced is provided with an accompanying document with information about its characteristics.

The above identified Type (represented by the sample(s) identified in the 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:

- R 60 OIML-CS rev.2 Additional requirements from the United States Accuracy class III L;
- R 60 OIML-CS rev.2 Additional requirements from the United States Marking requirements.



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## Revision History

Revision	Date	Change(s)
0	2024-08-01	Initial issue.