

**OIML Member State**  
The Netherlands

Number R76/2006-A-NL1-20.39 revision 4  
Project number 3851198  
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Issuing authority

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

Applicant and  
Manufacturer

Shanghai Teraoka Electronic Co., Ltd.  
No.6058 of Nan Ting Road  
Ting Ling Town, Jin Shan District  
Shanghai 201505  
China

Identification of the  
certified type

**A Non-automatic weighing instrument**  
Type : RM-5800 series;  
SM-120 (LL) BS PLUS

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 76-1:2006** for accuracy class **III**

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.

This certificate and supporting reports comply with the requirements of OIML-CS-PD-07 clause 6.2.

*Important note:* Apart from the mention of the Certificate's reference number and the name of the OIML Member State in which the Certificate was issued, partial quotation of the Certificate and of the associated OIML Test Report(s) is not permitted, although either may be reproduced in full.

Issuing Authority

**NMi Certin B.V., OIML Issuing Authority NL1**  
5 December 2024

Certification Board

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This document is issued under the provision that no liability is accepted and that the applicant shall indemnify third-party liability.

The notification of NMi Certin B.V. as Issuing Authority can be verified at [www.oiml.org](http://www.oiml.org)

This document is digitally signed and sealed. The digital signature can be verified in the blue ribbon on top of the electronic version of this certificate.



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

- No. R76/2006-NL1-10.06 dated 22 March 2010 that includes 59 pages;
- No. NMI-12200263-01 dated 28 September 2012 that includes 23 pages;
- No. NMI-12200684-01 dated 6 December 2012 that includes 11 pages;
- No. NMI-13200468-01 dated 21 October 2013 that includes 21 pages;
- No. NMI-14200357-01 dated 10 October 2014 that includes 37 pages;
- No. NMI-14200490-01 dated 10 October 2014 that includes 17 pages;
- No. NMI-15200739-01 dated 24 February 2016 that includes 35 pages;
- No. NMI-1900734-01 dated 20 April 2017 that includes 42 pages;
- No. NMI-1901725-01 dated 24 January 2018 that includes 15 pages;
- No. NMI-1902212-01 dated 25 May 2018 that includes 28 pages;
- No. NMI-1902212-02 dated 25 May 2018 that includes 25 pages;
- No. NMI-2168906-01 dated 12 June 2019 that includes 47 pages;
- No. NMI-2326018-01 dated 14 June 2019 that includes 13 pages;
- No. NMI-2406858-01 dated 31 October 2019 that includes 12 pages;
- No. NMI-2480079-01 dated 10 July 2020 that includes 16 pages;
- No. NMI-2624491-01 dated 16 July 2021 that includes 26 pages;
- No. NMI-2633662-01 dated 9 February 2022 that includes 45 pages;
- No. NMI-2999651-01 dated 19 July 2022 that includes 35 pages;
- No. NMI-2999651-02 dated 19 July 2022 that includes 20 pages;
- No. NMI-3851198-01 dated 5 December 2024 that includes 19 pages.

### Characteristics of the non-automatic weighing instrument:

Load cell used	K type / L6D type	PS type	M type	L6E3
Accuracy class	(III)			
Maximum capacity	3 kg ≤ Max ≤ 30 kg	3 kg ≤ Max ≤ 30 kg	30 kg ≤ Max ≤ 600 kg	30 kg ≤ Max ≤ 600 kg
Verification scale interval	e ≥ 0,5 g	e ≥ 1 g	e ≥ 10 g	e ≥ 5 g
Weighing ranges	Single interval Multi-interval			
Maximum number of scale intervals	n ≤ 6000 divisions (single interval, with A/D board STB-2236), or n ≤ 3000 divisions (per partial weighing range)	n ≤ 3000 divisions (with A/D board STB-2236) (per partial weighing range)	n ≤ 3000 divisions (per partial weighing range)	n ≤ 6000 divisions (single interval, with A/D board STB-2236) or n ≤ 3000 divisions (per partial weighing range)
Maximum number of partial weighing ranges	2			
Tare	T ≤ -50% for instruments with one weighing range T ≤ -Max <sub>1</sub> for multi-interval instruments			

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Temperature range	-10 °C / +40 °C
Power supply voltage	100 – 240 V AC 50/60 Hz
Application	Integrated POS software Intended to be used for direct sales to the public

Software identification:

The software will show the following information in the menu: "Main menu > Setting > App Spec":

- Scale checksum.

- Filenames	Version	Checksum	Remarks
libscale.jar libprice.jar	1.1.0.release_build:26 1.1.0.release_build:5	00064855	one checksum is calculated over two files
libwm.jar	1.1.0.release_build:51 1.1.0.release_build:59 1 (Maxlabel software)	00077148 00085704 14015C4F	-

## Revision History

This revision replaces the previous versions.

Revision	Date	Change(s)
Initial	2020-07-10	-
1	2021-05-11	Adding test report for new mainboard GF40.
2	2021-07-16	Adding new load cell types L6D and PS. Software table detailed. References to earlier test reports moved into the latest report.
3	2022-07-19	Adding new load cell type L6E3 and J3455 mainboard.
4	2024-12-05	Adding new power supply board type WS140-3AAC and SV3b mainboard.