

**OIML Member State**  
The Netherlands

Number R76/2006-A-NL1-22.04 revision 1  
Project number 4029450  
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Issuing authority

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

Applicant and  
Manufacturer

Shanghai Teraoka Electronics Co., Ltd.  
No.6058 of Nan Ting Road, Ting Lin Town  
Jin Shan District, Shanghai  
P.R. China

Identification of the  
certified type

**A Non-automatic weighing instrument**  
Type : SM-320 (Variants: B, P)

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**  
10 February 2026

Certification Board

NMi Certin B.V.  
Thijssseweg 11  
2629 JA Delft  
The Netherlands  
T +31 88 6362332  
certin@nmi.nl  
www.nmi.nl

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 report(s):

- No. R76/1992-NL1-05.11 dated 19 April 2005 that includes 57 pages;
- No. R76/1992-NL1-05.18 dated 21 June 2005 that includes 15 pages;
- No. R76/1992-NL1-04.13A that includes 56 pages;
- No. R76/1992-NL1-05.31A dated 21 October 2005 that includes 24 pages;
- No. R76/1992-NL1-05.31B dated 21 October 2005 that includes 16 pages;
- No. R76/1992-NL1-05.40 dated 21 December 2005 that includes 16 pages;
- No. R76/1992-NL1-07.03 dated 2 February 2007 that includes 43 pages;
- No. R76/1992-NL1-09.22A dated 10 June 2009 that includes 15 pages;
- No. R76/1992-NL1-09.22B dated 10 June 2009 that includes 13 pages;
- No. R76/1992-NL1-09.33 dated 2 December 2009 that includes 13 pages;
- No. NMI-11200554-01 dated 23 May 2012 that includes 46 pages;
- No. NMI-11200554-02 dated 23 May 2012 that includes 13 pages;
- No. NMI-12200701-01 dated 14 October 2013 that includes 45 pages;
- No. NMI-12200701-02 dated 14 October 2013 that includes 20 pages;
- No. NMI-13200491-01 dated 25 November 2013 that includes 30 pages;
- No. NMI-13200567-01 dated 9 May 2014 that includes 28 pages;
- No. NMI-14200153-01 dated 16 May 2014 that includes 39 pages;
- No. NMI-14200358-01 dated 30 July 2014 that includes 19 pages;
- No. NMI-15200265-01 dated 8 May 2015 that includes 25 pages;
- No. NMI-15200614-01 dated 19 February 2016 that includes 13 pages;
- No. NMI-2573473-01 dated 26 February 2021 that includes 26 pages;
- No. NMI-2683261-01 dated 10 February 2022 that includes 27 pages;
- No. NMI-4029450-01 dated 10 February 2026 that includes 15 pages.

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

|  |   |
|--|---|
| Accuracy class   | III   |
| Maximum capacity                                       | $3 \text{ kg} \leq \text{Max} \leq 30 \text{ kg}$   |
| Verification scale interval                            | $e \geq 1 \text{ g}$  |
| Weighing ranges  | Single interval<br>Multi-interval   |
| Maximum number of scale intervals (one weighing range) | $n \leq 6000$ divisions   |
| Maximum number of scale intervals (multi-interval)     | $n \leq 3000$ divisions<br>(per partial weighing range)   |
| Maximum number of partial weighing ranges              | 2   |
| Tare   | $T \leq -50\%$ for instruments with one weighing range<br>$T \leq -\text{Max}_1$ for multi-interval instruments |
| Temperature range                                      | $-10 \text{ }^\circ\text{C} / +40 \text{ }^\circ\text{C}$   |
| Power supply voltage                                   | 220 – 240 V AC 50/60 Hz   |
| Application  | Intended to be used for direct sales to the public  |

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Software identification

VR1,xx for the version with STB-2177-0 main board;  
VR3,xx for the version with STB-2177-3 main board;  
VR01.xx for the version with STB-2228 main board  
(xx=00...99)

## Revision History

This revision replaces the previous version.

| Revision | Date       | Change(s)  |
|----------|------------|--|
| 0        | 2022-02-10 | Initial issue.   |
| 1        | 2026-02-10 | Addition of internal switching mode power supply, test report and correcting address |