



# OIML Certificate

**OIML Member State**  
The Netherlands

Number R76/2006-A-NL1-19.28 Revision 2  
Project number 3206883  
Page 1 of 2

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 Ling Town, Jin Shan District  
Shanghai 201505  
China

Identification of the  
certified type

A **Non-automatic weighing instrument**  
Type : SM-120

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.

*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 Reports is not permitted, although either may be reproduced in full.

Issuing Authority

**NMi Certin B.V., OIML Issuing Authority NL1**  
29 November 2022

Certification Board

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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.



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

- 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-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-1902238-01 dated 20 April 2018 that includes 12 pages;
- No. NMI-2371200-01 dated 23 May 2019 that includes 24 pages;
- No. NMI-2573473-01 dated 26 February 2021 that includes 26 pages;
- No. NMI-3206883-01 dated 21 July 2022 that includes 26 pages.

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

Accuracy class	III
Maximum capacity	$3 \text{ kg} \leq \text{Max} \leq 300 \text{ kg}$
Verification scale interval	$e \geq 1 \text{ g}$
Weighing ranges	Single interval 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 (per partial weighing range)
Maximum number of partial weighing ranges	2
Tare	$T \leq -50\%$ for instruments with one weighing range $T \leq -\text{Max}_1$ for multi-interval instruments
Temperature range	$-10 \text{ }^\circ\text{C} / +40 \text{ }^\circ\text{C}$
Power supply voltage	220 V / 230 V / 240 V AC 50/60 Hz
Application	Intended to be used for direct sales to the public
Software identification	Version number VR3.xx for the version with STB-2177-XX main board VR01.xx for the version with STB-2228 main board (xx=00...99)

The software identification is displayed at start-up.

### Revision History

This revision replaces the previous versions.

Revision	Date	Change
Initial	2019-05-23	-
1	2021-12-20	Addition of new L6D type loadcell based on NMI-2573473-01 test report
2	2022-11-29	Addition of STB-2177-XX Main Board and L6E3 type load cell