



OIML Certificate

OIML Member State
The Netherlands

Number R76/2006-A-NL1-21.16 Revision 1
Project number 3206883
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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 Lin Town
Jin Shan District, Shanghai
P.R. China

Identification of the certified type **A Non-automatic weighing instrument**
Type : SM-100 series, SM-5100 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 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
29 November 2022

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

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



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

- 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-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	$3 \text{ kg} \leq \text{Max} \leq 600 \text{ kg}$
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 – 240 V AC 47/63 Hz
Application	Intended to be used for direct sales to the public
Software identification (Version number)	VR1.xx for the version with STB-2177 main board VR2.xx for the version with STB-2047 or STB-2055 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)

The software identification number will be displayed at start-up.



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Revision History

This revision replaces the previous version.

Revision	Date	Change
Initial	2019-05-23	-
1	2022-11-29	Addition of new L6E3 load cell