

**OIML Member State**  
The Netherlands

Number R76/2006-A-NL1-21.01 revision 3  
Project number 3807383  
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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  
China

Identification of the  
certified type

An **Indicator**  
Type

: DIX-3000  
DIX-3000SS

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** or **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 Report(s) is not permitted, although either may be reproduced in full.

Issuing Authority

**NMi Certin B.V., OIML Issuing Authority NL1**  
14 June 2024

Certification Board

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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. NMI-2434284-01 dated 22 October 2020 that includes 55 pages;
- No. NMI-2551360-01 dated 11 January 2021 that includes 15 pages;
- No. NMI-3633002-01 dated 14 March 2023 that includes 18 pages;
- No. NMI-3807383-01 dated 14 June 2024 that includes 23 pages;
- No. NMI-3807383-02 dated 14 June 2024 that includes 15 pages.

### Characteristics of the indicator:

Configuration	Analog load cells		
Accuracy class	Ⓐ or Ⓑ		
Weighing range(s)	Single interval Multi-interval		
Maximum number of scale intervals (one weighing range)	$n \leq 7500$		
Maximum number of scale intervals (multi-interval)	$n \leq 7500$ (per partial weighing range)		
Maximum number of partial weighing ranges	2		
Tare	$T \leq -Max_1 + e_1$ for multi-interval instruments		
Load cell excitation voltage	5 V DC		
Minimum signal input voltage	$U_{min} = 0$ mV		
Minimum input voltage per verification scale interval	0,66 $\mu$ V		
Minimum load cell resistance	85 $\Omega$		
Maximum load cell resistance	3300 $\Omega$		
Fraction of the maximum permissible error	0,5		
Load cell interface	6-wire (remote sensing)		
Maximum value of the cable length per cross wire section between the indicator and the junction box or load cells	Length 406 m/mm <sup>2</sup> In case 4-wire connection is used the load cells are connected directly without junction box		
Temperature range	-10 °C / +40 °C		
Power supply voltage	12 V DC supplied by 100 – 240 V AC 50/60 Hz AC/DC adapter, 7,4 V internal battery		
Software identification	Filename	Version	Checksum
STE77 software	libwm.so	1.1	0142994b15a6d3a0832b87f19ca29d9b



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## Revision History

This revision replaces the previous versions.

Revision	Date	Change(s)
0	2021-01-12	Initial issue
1	2023-03-14	Addition of alternative AC/DC switch power adapter
2	2024-06-14	Addition of alternative main board