

OIML Member State
The Netherlands

Number R76/2006-A-NL1-24.23 revision 0
Project number 3651024
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Issuing authority

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

Applicant and
Manufacturer

Ningbo Optima Scale Co., Ltd
No.789 Xiyunsi Road, Zhenhai
Ningbo
China

Identification of the
certified type

An **Indicator**
Type

: OP-909 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** 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.

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Issuing Authority

NMi Certin B.V., OIML Issuing Authority NL1
24 September 2024

Certification Board

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

- No. NMI-3651024-01 dated 24 September 2024 that includes 39 pages;
- No. NMI-3651024-02 dated 24 September 2024 that includes 17 pages;
- No. NMI-3651024-03 dated 24 September 2024 that includes 13 pages.

Characteristics of the indicator:

Configuration	Analog load cells
Accuracy class OIML R 76	III or IIII
Weighing ranges	Single interval Multi-interval
Maximum number of scale intervals (one weighing range)	$n \leq 5000$
Maximum number of scale intervals (multi-interval)	$n \leq 5000$ (per partial weighing range)
Maximum number of partial weighing ranges	2
Load cell excitation voltage	3,3 V DC
Minimum signal input voltage	$U_{\min} = 0 \text{ mV}$
Minimum input voltage per verification scale interval	1 μV
Minimum load cell resistance	87 Ω
Maximum load cell resistance	960 Ω
Fraction of the maximum permissible error	0,5
Load cell interface	4-wire
Temperature range	-10 °C / +40 °C
Power supply voltage	100 – 240 V AC 6 – 9 V DC supplied by battery
Software identification	V 2.xx (xx is a number between 00 and 99)

Revision History

Revision	Date	Change(s)
0	2024-09-24	Initial issue.