OIML Certificate

OIML Member State
The Netherlands

Number R76/2006-A-NL1-19.56 revision 3
Project number 3589954

Issuing authority	NMi Certin B.V. Person responsible: M.Ph.D. Schmidt
Applicant and Manufacturer	Rice Lake Weighing Systems 230 West Coleman Street Rice Lake, WI 54868 United States of America
Identification of the certified type	An **Indicator** Type : 680-2x; 680-2x-E; 682-2x; 682-2x-E (x = A or D, for AC/DC respectively DC/DC power supply)
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 (IIII)

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
5 October 2022

Certification Board

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

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

- No. NMi-2343404-01 dated 1 November 2019 that includes 51 pages;
- No. NMi-2633011-01 dated 9 September 2022 that includes 17 pages;
- No. NMi-2633011-02 dated 9 September 2022 that includes 25 pages.

Characteristics of the indicator:

Model	680	682
Configuration	Analog load cells	
Accuracy class OIML R 76	(III) or (IIII)	
Weighing range(s)	Single interval	Single interval Multi-interval Multiple range
Maximum number of scale intervals	n ≤ 10000	
Maximum number of weighing ranges	1	3
Load cell excitation voltage	10 V DC	
Minimum signal input voltage	U_{min} = 0 mV	
Minimum input voltage per verification scale interval	1 µV	
Minimum load cell resistance	43 Ω	
Maximum load cell resistance	1050 Ω	
Fraction of the maximum permissible error	0,5	
Load cell connection	4-wire or 6-wire (remote sensing)	
Maximum value of the cable length per cross wire section between the indicator and the junction box or load cells	1320,4 m/mm^2 (No special cable length) In case a 4-wire connection is used the load cells are connected directly without junction box	
Temperature range	-10 °C / +40 °C	
Power supply voltage	100– 240 V AC 50/60 Hz or 9 – 36 V DC	
Software identification (Version number)	1.xx.xx (xx= 00.. 99)	2.xx.xx (xx= 00.. 99)

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Revision History

This revision replaces the previous versions.

Revision	Date	Change(s)
0	2019-11-01	-
1	2019-11-22	Correction Software version
2	2021-09-06	Correction of type from 680 Plus-2A to 680-2A. Added type with external ethernet connection: 680-2A-E Correction Software version: 1.xx.xx
3	2022-10-05	Adding new model 682 Including new DC/DC power board