

**OIML Member State**  
The Netherlands

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

: 680-2A  
680-2A-E

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 identified in the OIML Test Report) with the requirements of the following Recommendation of the International Organization of Legal Metrology (OIML):

**OIML R 76** - Edition 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**  
6 September 2021

Certification Board

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The conformity was established by the results of tests and examinations provided in the associated OIML Type Evaluation Report(s):

- No. NMI-2343404-01 dated 1 November 2019 that includes 51 pages.

## Characteristics of the indicator:

Configuration	Analog load cells
Accuracy class	III or IIII
Weighing range(s)	Single interval
Maximum number of scale intervals	$n \leq 10000$
Load cell excitation voltage	10 V DC
Minimum signal input voltage	$U_{\min} = 0 \text{ mV}$
Minimum input voltage per verification scale interval	1 $\mu\text{V}$
Minimum load cell resistance	43 $\Omega$
Maximum load cell resistance	1050 $\Omega$
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 <sup>2</sup> (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
Software identification	Version number: v 1.xx.xx (xx= 00.. 99)

## Revision History

This revision replaces the previous versions.

Revision	Date	Changes
Initial	01-11-2019	-
1	22-11-2019	Correction Software version
2	06-09-2021	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