



OIML Certificate

OIML Member State
The Netherlands

Number R60/2017-A-NL1-21.18
Project number 2596536
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Issuing authority NMI Certin B.V.
Person responsible: M. Boudewijns

Applicant and Manufacturer Rice Lake Weighing Systems
230 W. Coleman street
Rice Lake, WI 54868
United States of America

Identification of the certified type A **single point load cell**, with strain gauges.
Registered trade name : Rice Lake Weighing Systems
Type : RLPC4SS-HE

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 60 - Edition 2017 (E) for accuracy class C

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**
11 March 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 Reports:

- No. NMI-2494366-01 dated 27 October 2020 that includes 51 pages;
- No. NMI-2494366-02 dated 27 October 2020 that includes 46 pages.

Characteristics of the load cell:

Characterization of load cell capabilities	Analog-passive load cell	
Maximum capacity (E_{max})	10 kg up to and including 100 kg	100 kg up to and including 500 kg
Minimum dead load	0 kg	
Accuracy Class	C	
Rated Output	$2,0 \pm 0,2$ mV/V	
Maximum number of load cell intervals (n) ⁽¹⁾	3000	
Ratio of minimum LC Verification interval ⁽¹⁾ $Y = E_{max} / V_{min}$	20000	
Ratio of minimum dead load output return ⁽¹⁾ $Z = E_{max} / (2 * DR)$	5900	6000
Input impedance	$1100 \Omega \pm 50 \Omega$	
Temperature range	$-10 \text{ }^\circ\text{C} / +40 \text{ }^\circ\text{C}$	
Fraction p_{LC}	0,7	
Humidity Class	CH	
Safe overload	200 % of E_{max}	
Output impedance	$960 \Omega \pm 50 \Omega$	
Recommended excitation	10 V AC / DC	
Excitation maximum	15 V AC / DC	
Transducer material	Stainless Steel	
Atmospheric protection	Hermetically welded	

Remarks:

1. The characteristics for n_{max} , Y and Z can be reduced separately.

Each load cell produced is provided with an accompanying document with information about its characteristics.

The above identified Type (represented by the sample(s) identified in the OIML Test Report) have been found to comply with the additional national requirements established by the United States of America (NIST Handbook 44 and NCWM Publication 14), included in the Utilizer Declaration:

- R 60 OIML-CS rev.2 Additional requirements from the United States Accuracy class III L;
- R 60 OIML-CS rev.2 Additional requirements from the United States Marking requirements.