

**OIML Member State**  
The Netherlands

Number R60/2017-A-NL1-19.21  
Project number 2362188  
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Issuing authority NMI Certin B.V.  
Person responsible: C. Oosterman

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Identification of the certified type A **planar beam load cell**, with strain gauges, equipped with electronics,  
Type : WMS

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**  
2 September 2019

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

- No. SN 1196 dated 27 April 2012 that includes 26 pages.

## Characteristics of the load cell:

Characterization of load cell capabilities	Analog-passive load cell
Maximum capacity ( $E_{max}$ )	5,5 kg up to and including 25 kg
Minimum dead load	0 kg
Accuracy Class	C
Rated Output	1,1 mV/V $\pm$ 0,1 mV/V
Maximum number of load cell intervals (n) <sup>(1)</sup>	3000
Ratio of minimum LC Verification interval <sup>(1)</sup> $Y = E_{max} / V_{min}$	8209
Ratio of minimum dead load output return <sup>(1)</sup> $Z = E_{max} / (2 * DR)$	19613
Input impedance	1180 $\Omega \pm$ 50 $\Omega$
Temperature range	-10 °C / + 40 °C
Fraction $p_{LC}$	0,7
Humidity Class	SH
Safe overload	300 % of $E_{max}$
Output impedance	1000 $\Omega \pm$ 10 $\Omega$
Recommended excitation	5 - 15 V DC
Excitation maximum	15 V DC
Transducer material	Aluminium

### 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.