

OIML Member State
The Netherlands

Number R60/2000-NL1-12-02
Revision 1
Project number SO14204156
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Issuing authority NMI Certin B.V.
Person responsible: C. Oosterman

Applicant and Manufacturer SEWHACNM Co., Ltd.
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Identification of the certified type A **shear beam load cell**, with strain gauges,
Type : SB210

Characteristics See next page

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 R60 - Edition 2000 (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**
5 November 2014



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

- NMI-10200984-01 dated 24 February 2012 that includes 27 pages.

Characteristics of the load cell:

Maximum capacity (E_{max})	1000 kg up to and including 5000 kg
Minimum dead load	0 kg
Accuracy Class	C
Rated Output	$2,000 \pm 0,005$ mV/V
Maximum number of load cell intervals (n)	3000
Ratio of minimum LC Verification interval $Y = E_{max} / v_{min}$	6000
Ratio of minimum dead load output return $Z = E_{max} / (2 * DR)$	3000
Input impedance	$400 \Omega \pm 30 \Omega$
Temperature range	-10 °C / +40 °C
Fraction p_{LC}	0,7
Humidity Class	CH
Safe overload	150 % of E_{max}
Output impedance	$350,0 \Omega \pm 3,5 \Omega$
Recommended excitation	10 V DC
Excitation maximum	15 V DC
Transducer material	Nickel plated steel
Atmospheric protection	Silicon rubber
Cable	Shielded, 4 wire (fixed length) or 6-wire

The characteristics for n_{max} and Y can be reduced separately. Z is proportional or equal to n_{max} . Each produced load cell is provided with an accompanying document with information about its characteristics.

Revision History

This revision replaces the previous version.

Revision	Date	Change(s)
Initial	24 February 2012	-
1	5 November 2014	Change in address of manufacturer, rated output added which was omitted in initial version.