



OIML Certificate of Conformity

OIML Member State
The Netherlands

Number R60/2000-NL1-14.17 revision 1
Project number 1900963
Page 1 of 3

Issuing authority	NMi Certin B.V. Person responsible: C. Oosterman
Applicant and Manufacturer	Aerospace South-Ocean (Zhejiang) Science and Technology Co., Ltd. NO.58 Nanyang Road, Qianyuan Town Deqing County, Zhejiang Province China
Identification of the certified type	A double ended shear beam load cell , with strain gauges, Type : GF-4
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**
4 May 2017



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Head Certification Board

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This document is issued under the provision that no liability is accepted and that the applicant shall indemnify third-party liability.

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

- No. NMI-14200272-03 dated 11 September 2014 that includes 51 pages.

Characteristics of the load cell:

Maximum capacity (E_{max})	20000 kg up to and including 100000 kg
Minimum dead load	50 kg
Accuracy Class	C
Rated Output	3 mV/V
Maximum number of load cell intervals (n)	3000
Ratio of minimum LC Verification interval $Y = E_{max} / V_{min}$	10000
Ratio of minimum dead load output return $Z = E_{max} / (2 * DR)$	3500
Input impedance	$700 \Omega \pm 10 \Omega$
Temperature range	- 10 °C / + 40 °C
Fraction p_{LC}	0,7
Humidity Class	CH
Safe overload	120 % of E_{max}
Output impedance	$700 \Omega \pm 5 \Omega$
Recommended excitation	10 V DC
Excitation maximum	15 V DC
Transducer material	Alloy steel
Atmospheric protection	Potted seal, IP67

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.



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Page 3 of 3

Revision History

This revision replaces the previous version(s).

Revision	Date	Change(s)
Initial	2014-09-11	-
1	4 May 2017	Name change