



OIML Certificate of Conformity

OIML Member State
The Netherlands

Number R60-2000-NL1-14.16 revision 1
Project number 1900963
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| 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 compression load cell , with strain gauges, Type : CP-2 |
| 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



C. Oosterman
Head Certification Board

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The notification of NMi Certin B.V. as Issuing Authority can be verified at www.oiml.org





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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-14200272-02 dated 11 September 2014 that includes 51 pages.

Characteristics of the load cell:

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|--|--|
| Maximum capacity (E_{max}) | 20000 kg up to and including 100000 kg |
| Minimum dead load | 50 kg |
| Accuracy Class | C |
| Rated Output | 2 mV/V |
| Maximum number of load cell intervals (n) | 4000 |
| Ratio of minimum LC Verification interval $Y = E_{max} / V_{min}$ | 6500 |
| Ratio of minimum dead load output return $Z = E_{max} / (2 * DR)$ | 24000 |
| Input impedance | $760 \Omega \pm 10 \Omega$ |
| 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 | Stainless steel |
| Atmospheric protection | Hermitically welded seal, IP68 |

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.

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 MAA Declaration of Mutual Confidence:

- R 60 DoMC-01 rev.0, Additional requirements from the United States;
- R 60 DoMC-02 rev.0, Additional requirements from the United States.



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Revision History

This revision replaces the previous version(s).

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