

**OIML Member State**  
The Netherlands

Number R60/2000-NL1-14.25  
Project number 14200617  
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Issuing authority	NMi Certin B.V. Person responsible: C. Oosterman
Applicant and Manufacturer	Flintec GmbH Bemannsbruch 9 74909 Meckesheim Germany
Identification of the certified type	A <b>compression load cell</b> , with strain gauges, Type : RC3
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**  
29 December 2014



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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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Parties concerned can lodge objection against this decision, within six weeks after the date of submission, to the general manager of NMi (see [www.nmi.nl](http://www.nmi.nl)).



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

- No. NMI-14200617-01 dated 24 December 2014 that includes 27 pages.

**Characteristics of the load cell:**

Maximum capacity ( $E_{max}$ )	25 t up to and including 100 t
Minimum dead load	0 kg
Accuracy Class	C
Rated Output	1,67 mV/V or 2,00 mV/V
Maximum number of load cell intervals (n)	4000
Ratio of minimum LC Verification interval $Y = E_{max} / V_{min}$	15000
Ratio of minimum dead load output return $Z = E_{max} / (2 * DR)$	7000
Input impedance	1150 $\Omega \pm 50 \Omega$
Temperature range	-10 °C / +40 °C
Fraction $p_{LC}$	0,7
Humidity Class	CH
Safe overload	200 % of $E_{max}$
Output impedance	1000 $\Omega \pm 2 \Omega$
Recommended excitation	10 V AC / DC
Excitation maximum	15 V AC / DC
Transducer material	Stainless steel
Atmospheric protection	Hermetic sealed

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.