

OIML Member State
The Netherlands

Number R60/2000-NL1-14.25 Revision 1
Project number SO15202914
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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 compression load cell with strain gauges Type : RC3; RC3-TS
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**
26 August 2015



C. Oosterman
Head Certification Board

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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).



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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-14200617-01 dated 24 December 2014 that includes 27 pages.

Characteristics of the load cell:

Type	RC3	RC3-TS
Maximum capacity (E_{max})	25 t up to and including 100 t	30 t up to and including 40 t
Minimum dead load	0 kg	
Accuracy Class	C	
Rated Output	1,67 mV/V or 2,00 mV/V	2,00 mV/V
Maximum number of load cell intervals (n)	4000	3000
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	Hermetically 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.

Revision History

This revision replaces the previous version.

Revision	Date	Change(s)
Initial	2014-12-29	-
1	2015-08-26	Addition of type name with appertaining characteristics