

OIML Member State
The Netherlands

Number R60/2000-NL1-17.44
Project number 1900514
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Issuing authority	NMi Certin B.V. Person responsible: C. Oosterman
Applicant and Manufacturer	Flintec UK Ltd W4/5 Capital Point, Capital Business Park Wentloog Avenue Cardiff, CF3 2PW United Kingdom
Identification of the certified type	A single point load cell , with strain gauges. Type : PC3H
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**
19 May 2017



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Head Certification Board

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

- No. NMI-1900514-01 dated 8 May 2017 that includes 51 pages.

Characteristics of the load cell:

Maximum capacity (E_{max})	5000 kg
Minimum dead load	0 kg
Accuracy Class	C
Rated Output	0,9 mV/V
Maximum number of load cell intervals (n)	2500
Ratio of minimum LC Verification interval $Y = E_{max} / V_{min}$	12000
Ratio of minimum dead load output return $Z = E_{max} / (2 * DR)$	9000
Input impedance	1100 $\Omega \pm 50 \Omega$
Temperature range	-10 °C / + 40 °C
Fraction p_{LC}	0,7
Humidity Class	CH
Safe overload	200 % of E_{max}
Output impedance	1000 $\Omega \pm 50 \Omega$
Recommended excitation	10 V AC / DC
Excitation maximum	15 V AC / DC
Transducer material	Stainless steel
Atmospheric protection	Hermetically welded

The characteristics for n_{max} and Y can be reduced separately.

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.