OIML Certificate

OIML Member State
The Netherlands

Number R60/2000-A-NL1-19.02
Project number 2344277

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 : PC7
Characteristics	See next page

This OIML Certificate is issued under scheme A.

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 R 60 - 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.

Important note: Apart from the mention of the Certificate's reference number and the name of the OIML Member State in which the Certificate was issued, partial quotation of the Certificate and of the associated OIML Test Report(s) is not permitted, although either may be reproduced in full.

Issuing Authority **NMi Certin B.V., OIML Issuing Authority NL1**
11 March 2019

C. Oosterman
Head Certification Board

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OIML Certification System

INSPECTION RvA I 122

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The conformity was established by the results of tests and examinations provided in the associated OIML Test Report:
- No. 1251 dated 14 March 2013, that includes 22 pages;
- No. 1246 dated 7 March 2013, that includes 22 pages.

Characteristics of the load cell:

Maximum capacity (E_{max})	100 kg up to and including 500 kg
Minimum dead load	0 kg
Accuracy Class	C
Rated Output	2,0 mV/V ± 0,2 mV/V
Maximum number of load cell intervals (n) (1)	4000
Ratio of minimum LC Verification interval (1) $Y = E_{max} / v_{min}$	15000
Ratio of minimum dead load output return (1) $Z = E_{max} / (2 * DR)$	7820
Input impedance	380 Ω ± 20 Ω
Temperature range	-10 °C / + 40 °C
Fraction p_{LC}	0,7
Humidity Class	CH
Safe overload	200 % of E_{max}
Output impedance	350 Ω ± 10 Ω
Recommended excitation	10 V DC
Excitation maximum	15 V DC
Transducer material	Stainless steel
Atmospheric protection	IP68 / IP69K Hermetically sealed

Remarks:
1. The characteristics for n_{max}, Y and Z can be reduced separately.

Each load cell produced is provided with an accompanying document with information about its characteristics.