



OIML Member State
The Netherlands

OIML Certificate

Number R60/2000-A-NL1-19.10
Project number 1902551
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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 An **S-type compression load cell**, with strain gauges
Type : UXT

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.

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Issuing Authority **NMI Certin B.V., OIML Issuing Authority NL1**
16 May 2019


C. Oosterman
Head Certification Board

NMI Certin B.V.
Thijsseweg 11
2629 JA Delft
The Netherlands
T +31 88 6362332
certin@nmi.nl
www.nmi.nl

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The conformity was established by the results of tests and examinations provided in the associated OIML Type Evaluation Reports:

- No. NMI-1902551-01 dated 16 May 2019 that includes 51 pages;
- No. NMI-1902551-02 dated 16 May 2019 that includes 46 pages;
- No. NMI-1902551-03 dated 16 May 2019 that includes 46 pages.

Characteristics of the load cell:

Maximum capacity (E_{max})	50 kg up to 250 kg	250 kg up to 2000 kg	2000 kg up to and including 10000 kg
Minimum dead load	0 kg		
Accuracy Class	C		
Rated Output	3,0 mV/V		
Maximum number of load cell intervals (n) ⁽¹⁾	3000		
Ratio of minimum LC Verification interval ⁽¹⁾ $Y = E_{max} / v_{min}$	24000	10000	24000
Ratio of minimum dead load output return ⁽¹⁾ $Z = E_{max} / (2 * DR)$	3000		
Input impedance	400 $\Omega \pm 50 \Omega$		
Temperature range	-10 °C / + 40 °C		
Fraction p_{LC}	0,7		
Humidity Class	CH		
Safe overload	150 % of E_{max}		
Output impedance	350 $\Omega \pm 1 \Omega$		
Recommended excitation	10 V AC / DC		
Excitation maximum	15 V AC / DC		
Transducer material	Alloy steel		
Atmospheric protection	Silicone rubber		

Remark:

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.

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 Utilizer Declaration:

- R 60 OIML-CS rev.2 Additional requirements from the United States Accuracy class III L;
- R 60 OIML-CS rev.2 Additional requirements from the United States Marking requirements.