



OIML Member State
The Netherlands

OIML Certificate

Number R60/2017-A-NL1-19.21 Revision 1
Project number 2526581
Page 1 of 3

Issuing authority NMI Certin B.V.
Person responsible: M.Ph.D. Schmidt

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 **planar beam load cell**, with strain gauges.
Type : WMS

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 2017 (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**
20 September 2021

Certification Board

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

This document is issued under the provision that no liability is accepted and that the applicant shall indemnify third-party liability.

The notification of NMI Certin B.V. as Issuing Authority can be verified at www.oiml.org

This document is digitally signed and sealed. The digital signature can be verified in the blue ribbon on top of the electronic version of this certificate.



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

- No. SN 1196 dated 27 April 2012 that includes 26 pages.

Characteristics of the load cell:

Characterization of load cell capabilities	Analog-passive load cell
Maximum capacity (E_{max})	5,5 kg up to and including 25 kg
Minimum dead load	0 kg
Accuracy Class	C
Rated Output	1,1 mV/V \pm 0,1 mV/V
Maximum number of load cell intervals (n) ⁽¹⁾	3000
Ratio of minimum LC Verification interval ⁽¹⁾ $Y = E_{max} / V_{min}$	8209
Ratio of minimum dead load output return ⁽¹⁾ $Z = E_{max} / (2 * DR)$	19613
Input impedance	1180 Ω \pm 50 Ω
Temperature range	-10 °C / +40 °C
Fraction p_{LC}	0,7
Humidity Class	SH
Safe overload	300 % of E_{max}
Output impedance	1000 Ω \pm 10 Ω
Recommended excitation	5 V DC to 15 V DC
Excitation maximum	15 V DC
Transducer material	Aluminium

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.



OIML Member State
The Netherlands

OIML Certificate

Number R60/2017-A-NL1-19.21 Revision 1
Project number 2526581
Page 3 of 3

Revision History

This revision replaces the previous version.

Revision	Date	Change(s)
Initial	2 September 2019	-
1	20 September 2021	Change of the identification of the certified type (deleted 'equiped with electronics')