OIML Certificate

OIML Member State
The Netherlands

Number R60/2000-A-NL1-17.58 revision 3
Project number 3987199

Issuing authority	NMi Certin B.V. Person responsible: M.Ph.D. Schmidt
Applicant and Manufacturer	Flintec UK Ltd Caxton House Pentwyn, Cardiff CF62 8HA United Kingdom
Identification of the certified type	A **compression load cell**, with strain gauges, equipped with electronics. Type : RC3D, RC3D-A, RC3D-B, RC3D-C
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 60-1:2000 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
8 September 2025

Certification Board

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The conformity was established by the results of tests and examinations provided in the associated reports:
- No. R60/2000-NL1-04.16 dated 27 September 2004 that includes 53 pages;
- No. NMi-1901068-01 revision 1 dated 22 August 2017 that includes 89 pages.

Characteristics of the load cell:

Characterization of load cell capabilities	Digital load cell
Maximum capacity (E_{max})	25 t up to and including 100 t
Minimum dead load	0 kg
Accuracy Class	C
Rated Output	166666 cts if E_{max} = 25t 200000 cts if E_{max} > 25 t
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) $Z = E_{max} / (2 * DR)$	9000
Temperature range	-10 °C / +40 °C
Fraction p_{LC}	0,8
Humidity Class	CH
Safe overload	200 % of E_{max}
Recommended excitation	12 V DC
Excitation maximum	12 V DC
Transducer material	Stainless steel
Atmospheric protection	Hermetically Welded
Electromagnetic environment class (models with PCB900)	N.A.
Electromagnetic environment class (models with XRCv2 board)	E2
Number of counts for E_{max}	$\geq Y * 5 / p_{LC}$
Software identification	Version number: XRC1xxxxxxx(2) or XRCv2xxxxxx (2)

Remarks:
1. The characteristics for n_{max}, Y and Z can be reduced separately.
2. x is a number between 0 and 9 representing updates of the non-legally relevant part of the software.

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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.

Revision History

This revision replaces the previous versions.

Revision	Date	Changes
0	2017-09-05	Initial issue.
1	2021-11-30	Revision to include reports with NTEP annex.
2	2023-12-19	Addition of firmware XRC1xxxxxx and change of address.
3	2025-09-08	Adding sub types and address correction.