OIML CS Certification System	DANAK PROD Reg.no. 7026	FORCE Certification

OIML Member State	OIML Certificate No.
Denmark	**R51/2006-A-DK2-25.01**

OIML CERTIFICATE ISSUED UNDER SCHEME A

OIML Issuing Authority

Name: **FORCE Certification A/S**
Address: Park Allé 345, 2605 Brøndby, Denmark
Person responsible: Per Rafn Crety

Applicant

Name: **Flintec UK Ltd.**
Address: Caxton House
Caxton Place,
Pentwyn, Cardiff
CF23 8HG
United Kingdom

Manufacturer **Flintec Transducers Pvt Ltd.**
Katunayake, Sri Lanka

Identification of the certified type *(the detailed characteristics will be defined in the additional pages)*

EM100-C

Designation of the module *(if applicable)*

Automatic Catchweighing instrument

This OIML Certificate attests the conformity of the above identified type (represented by the sample(s) identified in the OIML type evaluation report) with the requirements of the following Recommendation of the International Organization of Legal Metrology (OIML):

OIML R 51-1, Edition (year): 2006

For accuracy class (if applicable)**: XIII, XIIII, Y(a) or Y(b)**

This OIML Certificate relates only to metrological and technical characteristics of the type of measuring instrument covered by the relevant OIML Recommendation identified above.

This OIML Certificate does not bestow any form of legal international approval.

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

Type examination report: No. DANAK-1918640, dated 6 December 2017, that includes 76 pages.
Type examination report: No. DANAK-1918823, dated 28 January 2018, that includes 87 pages

Type evaluation report: No. 124-34253.90.60, dated 13 May 2025, that includes 15 pages,

The technical documentation relating to the identified type is contained in documentation file:

124-34253

OIML Certificate History

Revision No.	Date	Description of the modification
Initial version	15 May 2025	-

Identification, signature and stamp
The OIML Issuing Authority
FORCE Certification A/S

Date: 15 May 2025

Jens Hovgård Jensen
Certification Manager

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

Descriptive annex

Characteristics

Type:	EM100-C load cell digitizing unit.
Accuracy class:	XIII or XIIII or Y(a) or Y(b)
Weighing range:	Single-interval, multi-range or multi-interval
Maximum number of verification scale intervals (n):	10,000 per interval/range
Minimum input voltage per VSI (e_i):	0.3 µV
Maximum capacity of interval (Max_i):	$n_i \times e_i$
Initial zero-setting range:	20 % of Max
Maximum tare effect:	100 % of Max
Fractional factor (p_i):	0.5
Excitation voltage:	5 VDC
Minimum input voltage from load cell:	0 mV
Maximum input voltage from load cell:	15 mV
Circuit for remote sense:	Active (see below)
Minimum input impedance:	58 Ohm
Maximum input impedance:	1100 Ohm
Load cell linearization feature:	None
Connecting cable to load cell(s):	See Section 3.1.1
Maximum time between automatic zero-setting:	21 minutes for $e \geq 0.3$ µV
	75 minutes for $e \geq 1.0$ µV
Minimum warm-up time:	15 minutes for $e \geq 0.3$ µV
	8 minutes for $e \geq 1.0$ µV
Supply voltage:	9 - 32 VDC, not to be supplied from DC Mains
Operating temperature range:	Min / Max = -15 °C / +55 °C

Software

The software version may be viewed by sending "FFV" to the unit, which responds with 'Vxx.yy´ or ´V:xx.yy.zz´.

where xx denotes the legally relevant code, yy denotes the major non-legally relevant code, and zz denotes the minor non-legally relevant code.

The tested software version is: 'V01.01'.

The software changes from V01.01 to V02.00.00 have been examined.

Devices

- Initial zero-setting
- Semi-automatic zero-setting
- Zero tracking
- Semi-automatic subtractive tare
- Preset tare
- Automatic tare
- Event counter (TAC)

Peripheral interfaces

- RS485
- RS232
- CANopen
- 2 logic level inputs
- 2 open-drain outputs

The peripheral interfaces are characterised "Protective interfaces" according to paragraph 8.4 in the Directive.