OIML Member State Denmark	**OIML Certificate No.** **R76/2006-A-DK2-2019.01**

OIML CERTIFICATE ISSUED UNDER SCHEME A

OIML Issuing Authority

Name: **FORCE Certification A/S**
Address: Park Allé 345, 2605 Brøndby, Denmark
Person responsible: Leif Madsen

Applicant

Name: **Flintec UK Ltd.**
Address: W4/5 Capital Point
Capital Business Park
Wentloog, Cardiff CF3 2PW
UNITED KINGDOM

Manufacturer **Flintec, Katunayake, Sri Lanka**

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

EM100-A

The name of the instrument is followed by alphanumeric characters for technical, legally or commercial characterisation of the instrument.

Designation of the module *(if applicable)*

Analog data processing device

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 76-1, Edition (year): 2006

For accuracy class (if applicable**): II, III and IIII**

OIML Certificate No.
R76/2006-A-DK2-2019.01

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. 118-36272.10, dated 13 May 2019 that includes 144 pages
Type evaluation report: No. 118-36272.90, dated 13 May 2019 that includes 3 pages

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

No. 118-36272

OIML Certificate History

Revision No.	Date	Description of the modification
First issuance	12 June 2019	-

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

Date: 12 June 2019

Jens Hovgård Jensen
2019-06-12

Digitally signed by Jens Hovgård Jensen
jhje@force.dk
Certification Manager

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

Accuracy class:	II, III or IIII
Weighing range:	Single-interval, multi-range or multi-interval
Maximum number of verification scale intervals (n):	≤ 3×20000 (class II) ≤ 3×10000 (class III) ≤ 3×1000 (class IIII)
Minimum input voltage per VSI (e_i):	0.1 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 VAC
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
Maximum cable length between instrument and junction box:	33035 m/mm^2
Supply voltage:	9 - 32 VDC, not to be supplied from DC Mains
Operating temperature range:	Min / Max = -15 °C / +55 °C

Software

The model number (returned by command FPN) shall be 'EM100-A'.

The software version (returned by command FFV) shall be 01.xx, where xx ≥ 60.

Interfaces

- Load cell input
- RS485
  RS232
- USB
- CAN open
- two logic level inputs and two open-drain outputs

Devices

- Initial zero setting device
- Semi-automatic zero setting device
- Zero tracking device
- Semi-automatic tare device
- Preset tare device
- Data storage device for setup and calibration data
- Stable indication device
- Stable equilibrium device
- Zero, Net and active range indication (in transmitted record).