OIML Member State Denmark	**OIML Certificate No.** **R76/2006-A-DK2-2022.03**

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 UK Ltd.**

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

ER500-G

Designation of the module *(if applicable)*

Non-automatic weighing indicator / transmitter

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**): III and IIII**

FORCE Certification A/S · Park Alle 345 2605 Brøndby Tel+45 43 25 01 77 info@forcecertification.com www.forcecertification.com
Task no.: 121-24186.90.50 and ID no.: FC-OIML-12110-1 forcecertification.com/en/weighing

OIML Certificate No.
R76/2006-A-DK2-2022.03

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. 121-24186.10, dated 06 August 2021, that includes 66 pages

Type evaluation report: No. 121-24186.90.50, dated 09 May 2022, that includes 17 pages

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

121-24186

OIML Certificate History

Revision No.	Date	Description of the modification
Initial version	16 June 2022	-

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

Date: 16 June 2022

Jens Hovgård Jensen
2022-06-16
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

Type:	ER500-G
Accuracy class:	III and IIII
Weighing range:	Single-interval, multi-range or multi-interval
Maximum number of Verification Sca1e Intervals:	10000 (class III), 1000 (class IIII) or 3×10000 (class III), 3×1000 (class IIII)
Maximum tare effect:	-Max for single-interval and multi-range -Max_1 for multi-interval
Fractional factor:	p'i = 0.5
Minimum input-voltage per VSI:	0.2 µV
Minimum signal voltage for dead load:	0 mV
Excitation voltage:	5 VDC
Load cell interface:	4-wire or 6-wire
Minimum input-impedance:	43 ohm
Maximum input-impedance:	1200 ohm
Mains power supply:	9-32 VDC - not to be supplied from DC mains.
Operational temperature:	-15 °C to +55 °C
Maximum cable length between ER500 and junction box	1533 m/mm^2

Software

The software version is displayed during the start-up of the indicator. (Alternating with the TAC number). The version format is xx.yy.zz, where x is the basic software family, while yy is version numbers for minor legally relevant changes and zz is changes and corrections not influencing the legal function of the software.

The approved software version is 01.01.zz.

TAC number

The non-resettable Traceable Access Code is displayed during the start-up of the indicator in the format: xxxxx. (Alternating with the software version).

Devices

- Initial zero setting device (≤ 20% of Max)
- Semi-automatic zero setting device (≤ 4% of Max)
- Zero tracking device (≤ 4% of Max)
- Semi-automatic subtractive tare balancing device
- Units (Allowed units are g, kg and t.)
- Stable equilibrium, Zero and Net indicators.

Interfaces

- RS232
  RS-485 / RS-422
  USB
  Ethernet
  3 logical inputs
  3 logical outputs
  Analogue Output

The interfaces do not have to be secured.

Sealing

Access to the set-up and calibration facility requires that a calibration jumper is removed from the main board. The jumper can be accessed from the outside, top part of the housing.

The indicator also has a Traceable Access Counter, which increment each time the calibration or legal part of the set-up has been changed.

The sealing of the calibration jumper, which also prevents the housing from being dismantled - is accomplished with a brittle plastic sticker. The sticker is placed across the opening designated 30 behind which the calibration jumper is located.

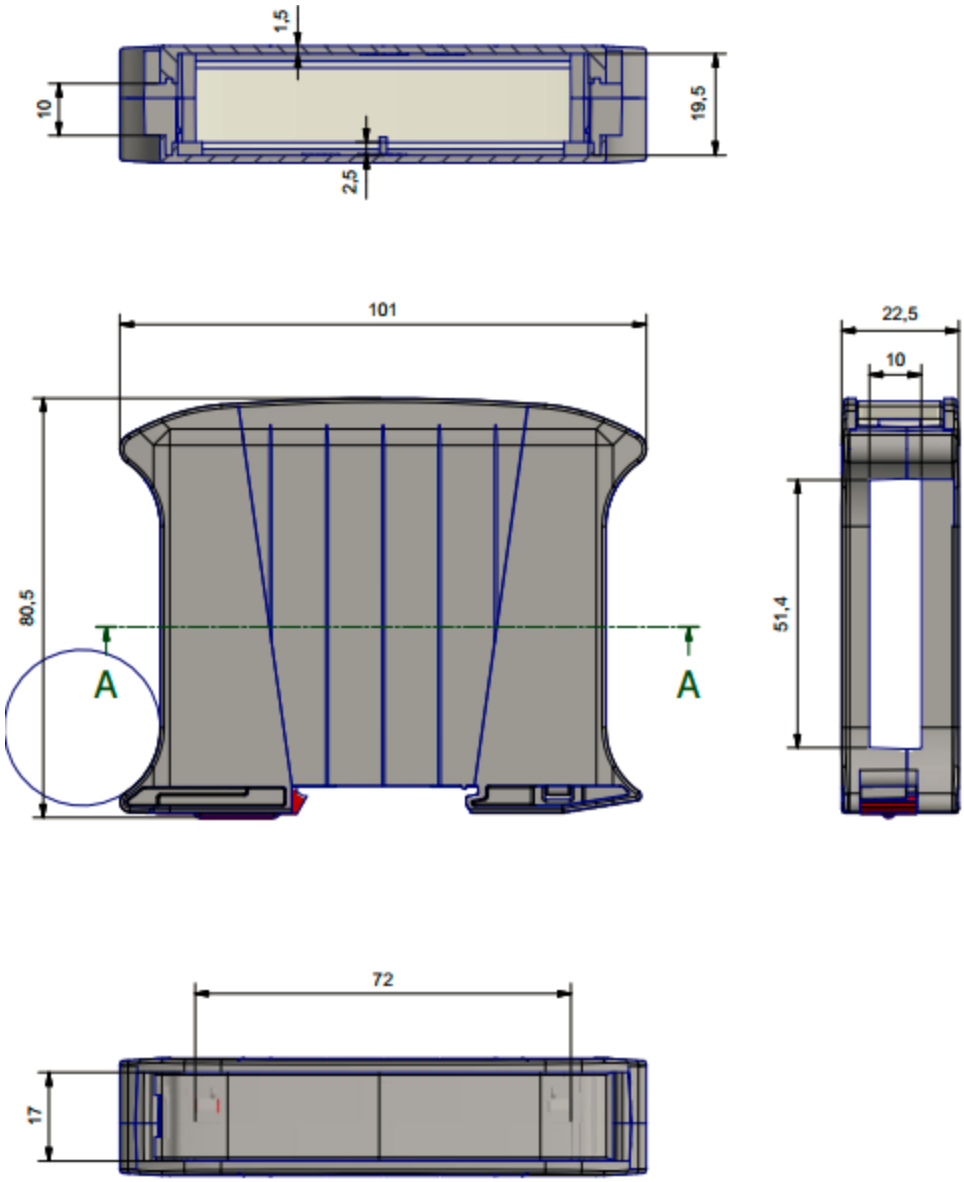

Figure 1 Dimensions of ER500-G.

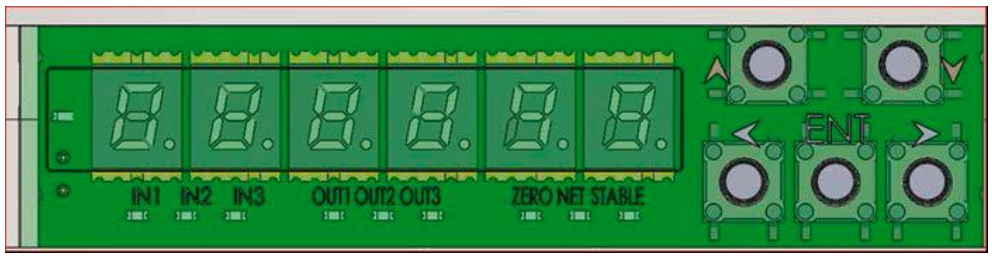

Figure 2 Front panel display with LED indicators and buttoms.

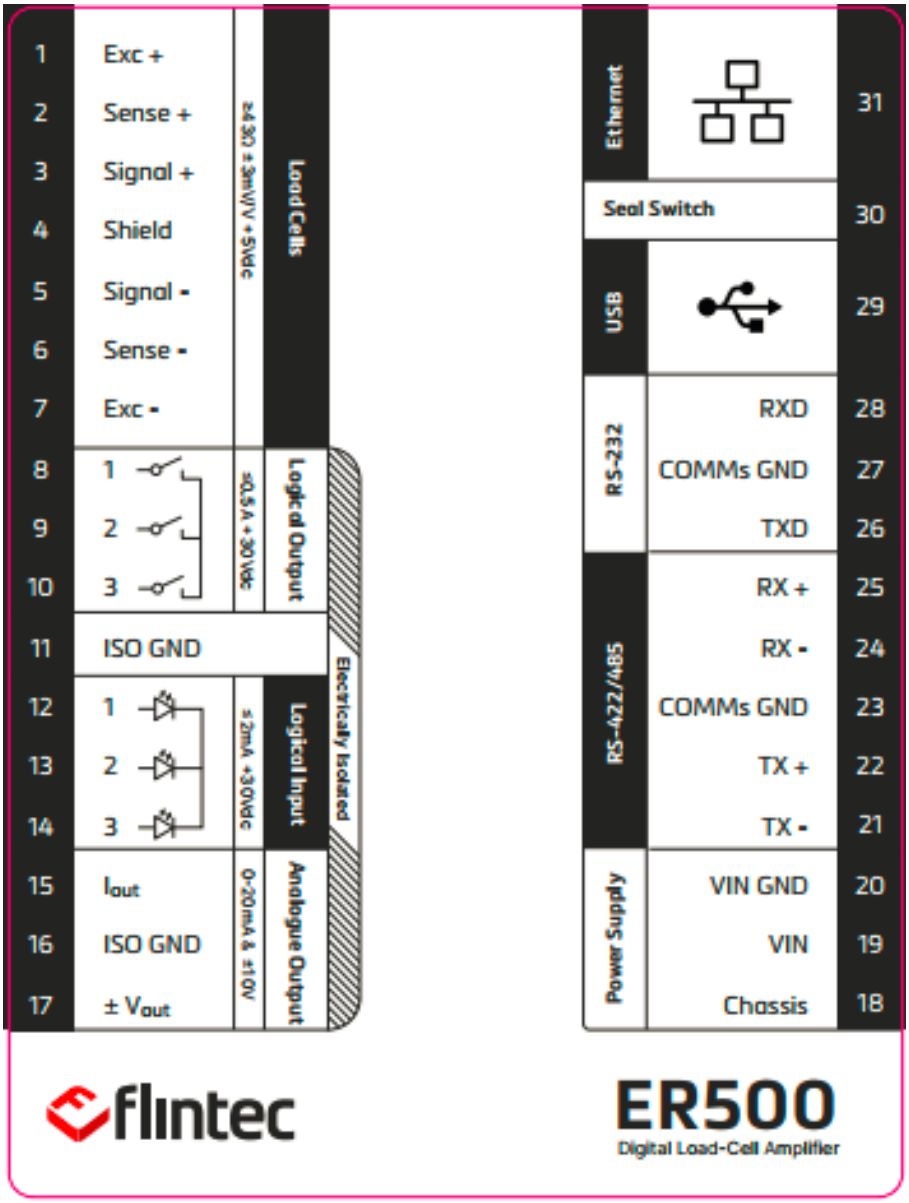

Figure 3 Top side label of ER500-G.