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|---|---|---|
| **OIML Member State**<br>Denmark | | **OIML Certificate No.**<br>**R51/2006-A-DK2-22.01 Revision 1** |

# 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-C**

**Designation of the module** *(if applicable)*

**Weighing transmitter for automatic catchweigher**

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**): Y(a), XIII, Y(b) and XIIII**

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. 121-24186.10-1, dated 04 October 2021, that includes 34 pages

Type evaluation report: No. 124-29471.90.60, dated 06 August 2024, that includes 13 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 | - |
| Revision 1 | 24 October 2024 | New software version added. |
| | | |
| | | |

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

Date: 24 October 2024

Jens Hovgård Jensen
2024-10-24
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-C |
| Accuracy class: | Y(a), XIII, Y(b) and IIII |
| Weighing range: | Single-interval, multi-range or multi-interval |
| Maximum number of Verification Sca1e Intervals: | 10000 (class Y(a) and XIII), 1000 (class Y(b) and XIIII) or<br>3×10000 (class Y(a) and XIII), 3×1000 (class Y(b) and XIIII) |
| Maximum tare effect: | -Max for single-interval and multi-range<br>-$Max_1$ for multi-interval |
| Fractional factor: | p'i = 0.5 |
| Minimum input-voltage per VSI: | 0.4 µV |
| Extra warm-up time for 0.4µV ≤ e < 0.8µV: | 18 minutes |
| Extra warm-up time for 0.8µV ≤ e : | 3 minutes |
| Maximum time between automatic zero-setting: | 150 minutes |
| 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-C 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 xx denotes the version of the legally relevant code, while yy is the version numbers for major non-legally relevant changes and zz is the version numbers for minor non-legally relevant changes.

The approved software versions are:

Main firmware: 01.yy.zz

or

Main firmware: 02.yy.zz
Display firmware: 02.yy.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.

**Display and buttoms**

If the ER500-C is equipped with a display and buttoms these are are for set-up and service purpose only.

**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.

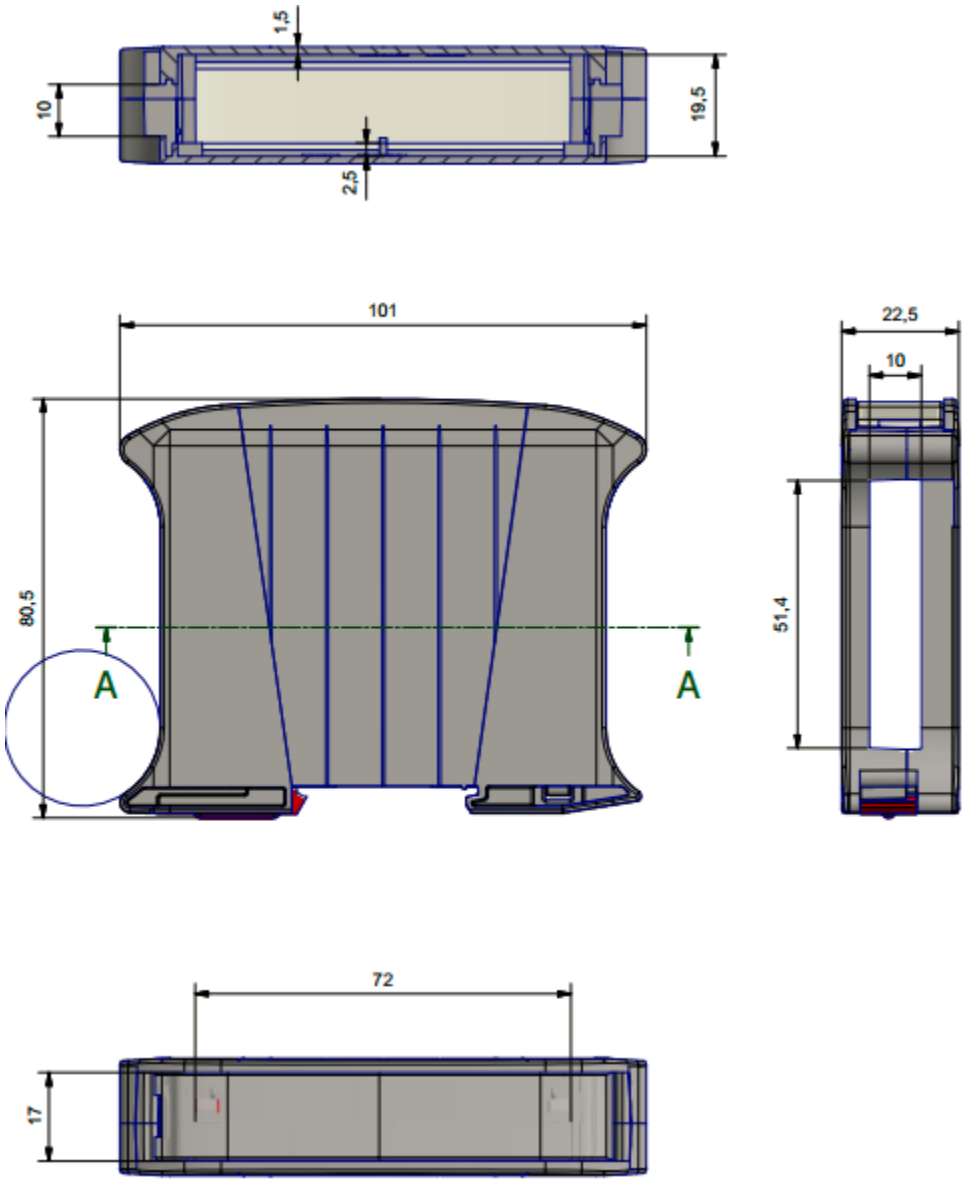


**Figure 1** Dimensions of ER500-C.

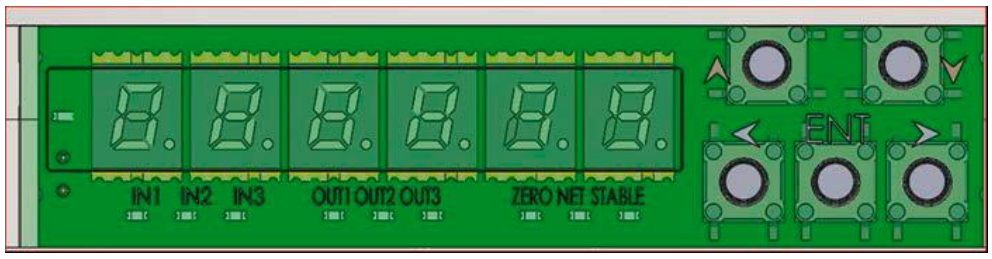


**Figure 2** Front panel display with LED indicators and buttoms.

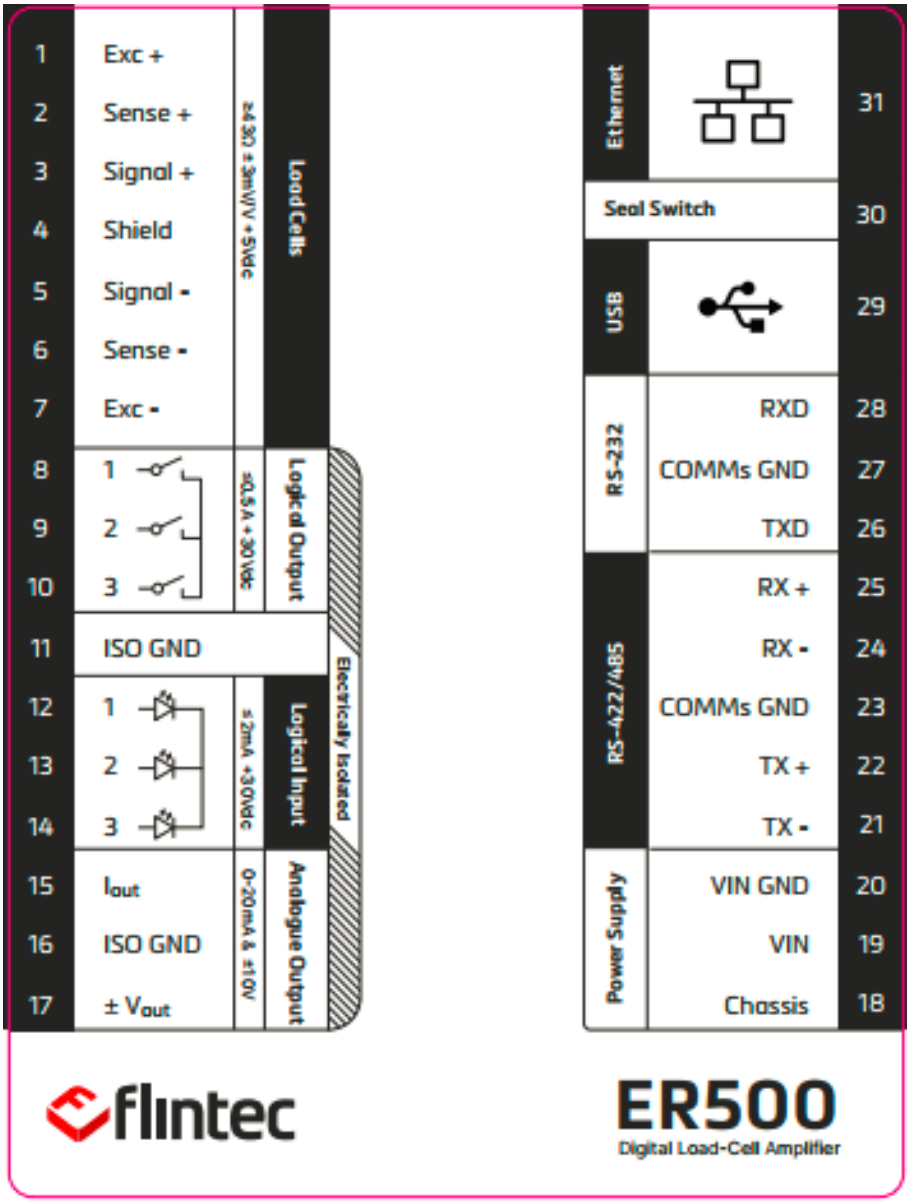


**Figure 3** Top side label of ER500-C.