OIML Member State	OIML Certificate No.
Czech Republic	R76/2006-A-CZ1-25.02

OIML CERTIFICATE ISSUED UNDER SCHEME A

OIML Issuing Authority

Name: Czech Metrology Institute
Address: Okružní 31, 638 00 Brno, Czech Republic
Person responsible: Jan Kalandra

Applicant

Name: Charder Electronic Co., Ltd.
Address: No. 103, Guozhong Rd., Dali Dist.
Taichung City 41262
Taiwan (R.O.C)

Manufacturer

Name: Charder Electronic Co., Ltd.
Address: No. 103, Guozhong Rd., Dali Dist.
Taichung City 41262
Taiwan (R.O.C)

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

Non-automatic weighing instruments
type: MS3510, M-320

Designation of the module *(if applicable)*

-

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 Edition (year): 2006

For accuracy class: III

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

Test report No. 6012-PT-R0012-25 dated 16.1.2025 that includes 53 pages.
Test report No. 6012-PT-R0013-25 dated 16.1.2025 that includes 53 pages.
Test report No. 8551-PT-E0328-24 dated 17.1.2025 that includes 34 pages.

OIML type evaluation report:

No. 0511-ER-N077-24 dated 9 May 2025 that includes 11 pages

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

0511-UL-N077-24

OIML Certificate History

Revision No.	Date	Description of the modification
-	15 May 2025	Issuing of certificate

The OIML Issuing Authority
RNDr. Pavel Klenovský
Director of Certification Body

Český metrologický institut
-3-

Date: 15 May 2025

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.

1 Characteristics of the instrument

A self-indicating non-automatic weighing instrument with digital indication, accuracy class III. The instrument is designed as a single range or multi-interval non-automatic weighing instruments. Principle of measurement is that the analogue signal from one load cells is amplified and converted to a digital value.

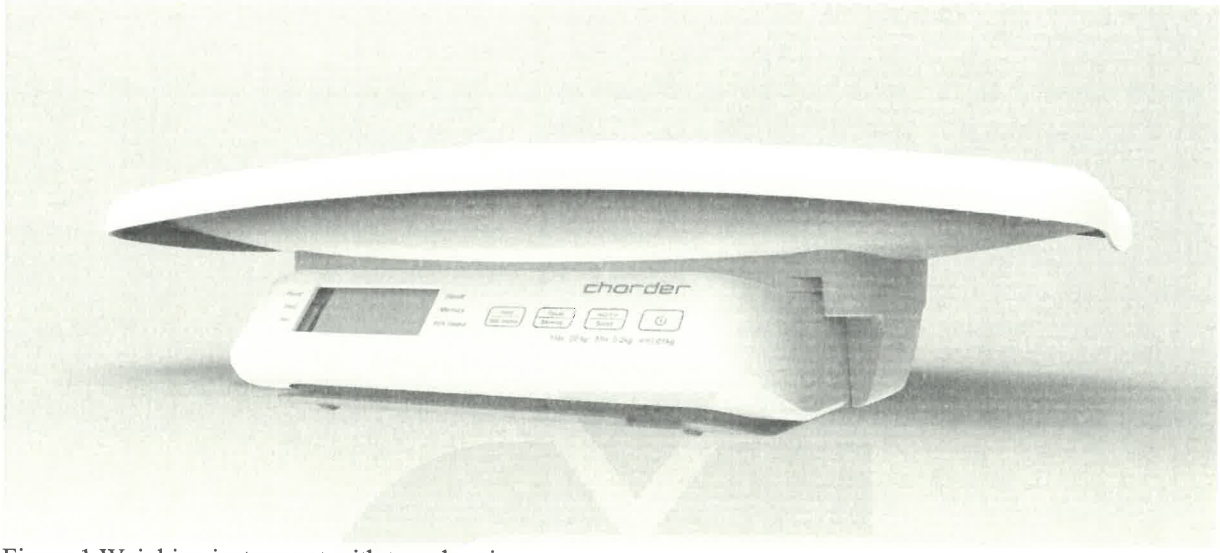


Figure 1 Weighing instrument with tray drawing

Main metrological characteristics

Max	≤ 50 kg
n	≤ 2000
e	≥ 10 g
T	≤ - Max
Accuracy class	III
Single range or multi-interval	
Temperature range	+ 5°C to + 35°C

2 Main parts

2.1 Assembly drawing

The mechanical assembly is described in service manual.

Dimensions (approximate):
Without tray: 312 x 300 x 80 mm With tray: 560 x 308 x 140 mm

2.2 Load cell

Manufacturer	Type	E_{max}	Test certificate
Zemic	L6D8-C2	60 kg	-
Zemic	L6D8-C3	60 kg	D09-09.12
Zemic	L6D-C2	30/35 kg	-
Zemic	L6D-C3	30/35 kg	D09-03.20

Load cell is connected to the main board via 4-wire connection.

3 Main characteristic and functions

- Indication stabilization device
- semi-automatic zero setting
- zero tracking
- subtractive tare
- zero indication
- gravity compensation feature

3.1 Semi-automatic zero setting

- up to 2% Max

3.2 Tare equipment

- subtractive up to - Max

3.3 Overload

At overload over 9e, the indicator displays "Err".

3.4 Slope angle (Tilting)

If the slope angle is bigger than 1,5°, the indicator displays "ErrA".

3.5 Milk intake function

The device is able to save 2 weighing values and then show the difference. This function is described in both user and service manuals.

4 Interface

USB-C (power), Bluetooth/WiFi (optional).

5 Software

The scales are equipped with embedded software and it cannot be modified or uploaded via any interface.

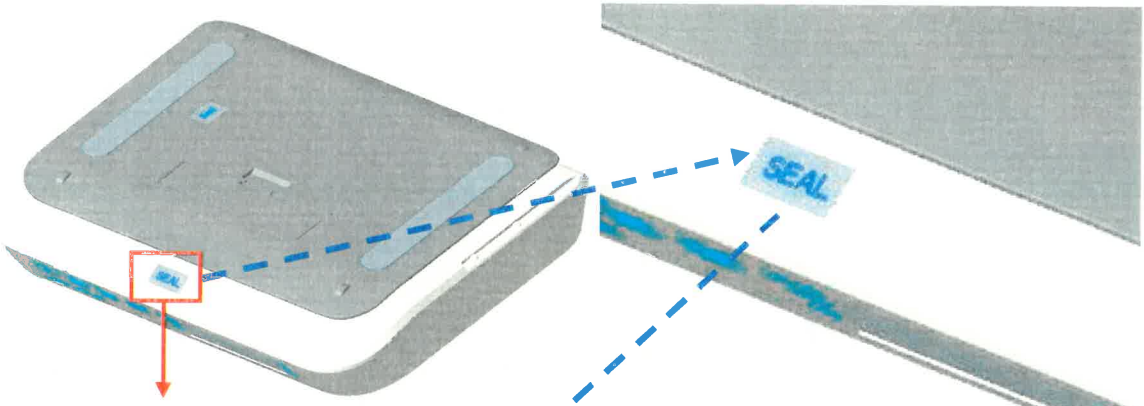
5.1 Software identification

After turn on the Software identification occurs. The software version is P 1.xx (xx is a number between 01~99)

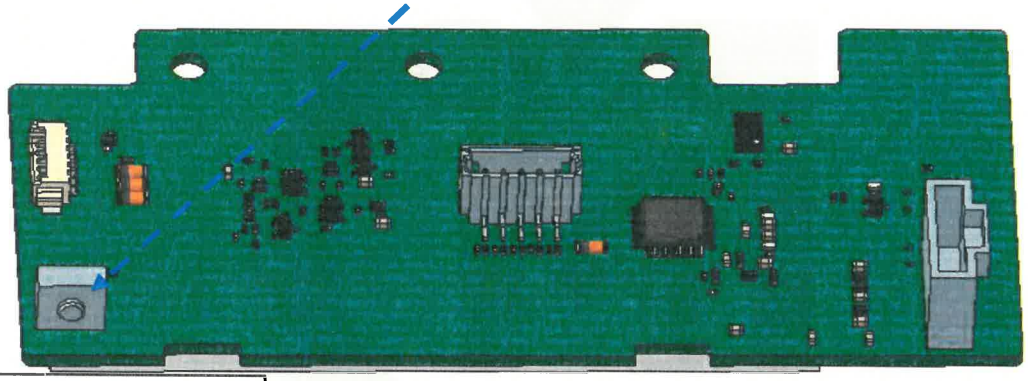
Figure 2 Example of software version shown on the display

6 Securing components and verification marks

The main plate is secured against removal or shall be destroyed when tried to be removed. Access to the calibration switch is secured:



Screws for opening housing
To open housing, remove seal and remove screw.



Calibration switch

The event counter value can be displayed after pressing [ON/OFF/ZERO] key.

The inscriptions contain the value of the event counter at the time of conformity assessment.

Figure 3a Example S/N and calibration counter stickers 4b Calibration counter on the display

The gravity compensation mode is secured with a password and event counter that increments each time any parameter changes or adjustment is made and saved.