OIML Certification System	CMI	V 3112

OIML Member State	**OIML Certificate No.**
Czech Republic	R76/2006-A-CZ1-24.01

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: MS4400I, M-310

Designation of the module *(N/A)*

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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 reports:

Test report 6052-PT-R0001-24 and 8551-PT-E0027-24.

OIML type evaluation report No. 0511-ER-N136-23 dated 4 April 2024 that includes 10 pages

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

0511-UL-N136-23

OIML Certificate History

Revision No.	Date	Description of the modification
	10 April 2024	Issuing certificate

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

Date: 10 April 2024

Important note: Apart from the mention of the Certificate's reference number and the name of the OIML MemberState 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.

Characteristics of the instrument
Non-automatic weighing instrument. Single interva class III. The instrument is designed as a single range non-automatic weighing instruments. Principle of measurement is that the analogue signal from one load cells is amplified and converted to a digital value.

Main metrological characteristics

Max.	≤ 20 kg
n	≤ 2000
e	≥ 10 g
T	≤ - Max
Single range	
Accuracy class	III
Temperature range	0°C to + 40°C

Main parts

Electronic part
The mechanical part consists of the indicating and processing unit connected to a load cell. The design of the unit is described in picture 1 below.

Picture 1 Indicating and processing unit

Mechanical part and load cell:
The mechanical part consists of the S – hook connected to a single point load cell.

Load cell

Manufacturer	Type	Test certificate
Charder Electronic Co., Ltd.	AL-2131	Non

E_{max} = 20kg
4-wire connection

Main characteristic and functions

- Indication stabilization device
- semi-automatic zero setting - up to 4% Max
- zero tracking
- subtractive tare - up to - Max
- zero indication
- gravity compensation feature
- overload - at overload over 9e, the indicator displays "Err"

Interface

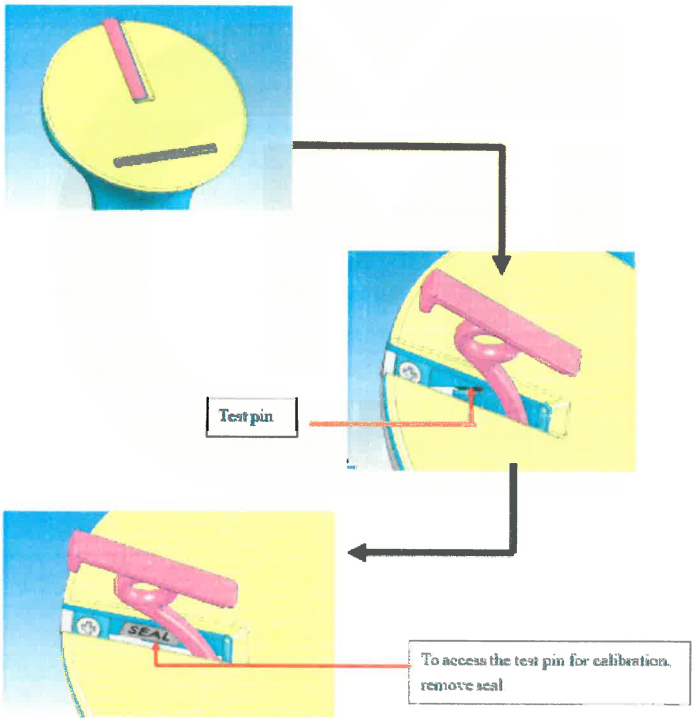
Bluetooth (optional).

Software

The scales are equipped with embedded software in IC and cannot be modified or uploaded via any interface. After turn on the software identification occurs. The software version is P 1.xx (xx is a number between 01~99)

Securing components and verification marks

The main plate is secured against removal or shall be destroyed when tried to be removed. Access to test pin for calibration is secured:



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.

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