OIML Member State	OIML Certificate No.
Denmark	R76/2006-A-DK2-2019.10

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:	**Moorange Electronics MFG (Shanghai) Co., Ltd.**
Address:	Rm 202, Building 5, No. 59 Shennan Road, Shanghai 201108, China

Manufacturer　　　　**Moorange Electronics MFG (Shanghai) Co., Ltd.**

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

X708, X708E, X708S, X722, X722E, X722S, X7PC, X7PCS

Designation of the module *(if applicable)*

Non-automatic electronic weighing indicator

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 or IIII**

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. 119-26561.10.40, dated 23 August 2019, that includes 69 pages

Type evaluation report: No. 119-26561.90.40.20, dated 23 August 2019, that includes 3 pages

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

No. 118-33963

OIML Certificate History

Revision No.	Date	Description of the modification
-	8 November 2019	Initial version

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

Date: 8 November 2019

Jens Hovgård Jensen
2019-11-08

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:	X708, X708E, X708S, X722, X722E, X722S, X7PC, X7PCS
Accuracy class:	III and IIII
Weighing range:	Single-interval or multi-range (2 ranges)
Maximum number of Verification Scale Intervals:	≤ 4200 (class III), ≤ 1000 (class IIII)
Maximum tare effect:	-Max
Fractional factor:	p'i = 0.5
Minimum input voltage per VSI:	1 µV
Excitation voltage:	5 VDC
Circuit for remote sense:	Present using 6-wire connection
Minimum input impedance:	87 ohm
Maximum input impedance:	1100 ohm
Mains power supply:	100-240 VAC using external AC/DC adapter 12 VDC
	6 V internal battery (optional)
Operational temperature:	-10 °C to +40 °C
Maximum 6-wire cable length between indicator and junction box:	25026 m/mm² (equivalent to 422.9 Ω)

Software

The software version can be displayed on X708, X708E, X708S, X722, X722E, X722S as part of the turning off sequence.
On X7PC, X7PCS it can be displayed by pressing the "Tare" and "5" keys simultaneously.

The approved software versions are,

X708 / X722 / X708S / X722S	version	100115
X708E / X722E	version	100314
X7PC / X7PCS	version	200115

Interfaces

- RS232
- Bluetooth (Seperate interface board)

Devices

- Initial zero setting device ($\leq 20\%$ of Max)
- Semi-automatic zero setting device ($\leq 4\%$ of Max)
- Zero tracking device ($\leq 4\%$ of Max)
- Semi-automatic subtractive tare balancing device
- Subtractive preset tare device (X722, X722e, X722s)
- Gross / Net display
- Price computing device (X7PC, X7PCs only)
- Totalization device (Shall be disabled on X7PC, X7PCs unless a printer is connected)
- Manual checkweighing device
- Piece counting device
- Printing device
- Gravity compensation device
- Stable equilibrium, Zero, Gross, Net, PT and active range indicators.