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:	**Tscale Electronics Mfg. (Kunshan) Co., Ltd.**
Address:	No. 99 Jingwei Road,
	Zhoushi, Kunshan, Jiangsu
	China

Manufacturer   **Tscale Electronics Mfg. (Kunshan) Co. Ltd.**

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

   IP20a / IP20b / PEa / PEb / PEe / PEs / PHE / AW20

Designation of the module *(if applicable)*

   Non-automatic electronic weighing instrument

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**

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. 119-33670.10, dated 18 March 2020, that includes 47 pages

Type evaluation report: No. 123-22875.90.20, dated 10 March 2023, that includes 31 pages

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

119-33670

OIML Certificate History

Revision No.	Date	Description of the modification
Initial version	01 October 2020	-
Revision 1	13 March 2023	New models added with modified enclosure and combination of display sizes.

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

Date: 13 March 2023

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:	IP20a / IP20b / PEa / PEb / PEe / PEs / PHE / AW20
Accuracy class:	III
Weighing range:	Single interval, multi interval (dual) or multirange (dual)
Maximum number of Verification Scale Intervals:	≤ 3000 or 2x3000
Maximum capacity:	6 kg to 30 kg
Minimum capacity:	$20 \times e_i$
Maximum tare effect:	-Max within display limits
Verification scale interval (e=):	≥ 1 g
Power supply:	IP20a / IP20b / PEa / PEb / PEe / PEs / PHE: 100-240 VAC 50/60 Hz
	AW20:
	12 VDC supplied from external power supply intended for AC mains 100-240 VAC 50/60 Hz.
	AW20 can optionally have a rechargeable battery (Li, 7.4V).
Operational temperature:	-10 °C to +40 °C

Software

The software is separated in weighing software, application software, printing software and keyboard software.

The software version of the different software is shown under system settings in the menu.

The approved software versions are,
weighing software [*]:   V1.10 or V1.11 or V2.10 or V2.11
application software [*]:   A1.xx.yy(z)
screen keyboard: K1.xx
printing software: P1.x.xx or P4.01.xx (except AW20)
[*] part of legal relevant software.
Where xx and yy can be 00 to 99, while z can be not present or a to z.

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
- Preset tare
- Price-computing (except AW20)
- Non-weighed articles (except AW20)
- Built-in printer (except AW20)
- Manual check-weighing (AW20)
- Gravity compensation device
- Stable equilibrium, Zero, Net and active range indicators.

Interfaces

- RS232
  USB
  Ethernet
  Cash drawer (except PHE / AW20)
  RS485 (AW20, optional)
  Analog output (AW20, optional)
  Bluetooth (AW20, optional)
  WiFi (optional)