



OIML Member State  
Denmark

OIML Certificate No.  
R76/2006-A-DK2-2020.15 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: **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 / 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 examination report: No. 121-2474.10, dated 15 March 2021, that includes 41 pages

Type evaluation report: No. 119-33670.90.20, dated 29 September 2020, that includes 24 pages

Type evaluation report: No. 121-22474.90.20, dated 15 April 2021, that includes 24 pages

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

119-33670

#### **OIML Certificate History**

<b>Revision No.</b>	<b>Date</b>	<b>Description of the modification</b>
Initial version	01 October 2020	-
Revision 1	07 May 2021	Model AW20 added

Identification, signature and stamp

**The OIML Issuing Authority**

FORCE Certification A/S

Date: 07 May 2021

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 / AW20
Accuracy class:	III
Weighing range:	Single interval, multi interval (dual) or multirange (dual)
Maximum number of Verification	
Scale Intervals:	$\leq 3000$ or $2 \times 3000$
Maximum capacity:	6 kg to 30 kg
Minimum capacity:	$20 \times e_i$
Maximum tare effect:	-Max within display limits
Verification scale interval (e=):	$\geq 1$ g
Power supply:	100-240 VAC 50/60 Hz or 12 VDC supplied from external power supply intended for 100-240 VAC 50/60 Hz.
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's is shown under system settings in the menu.

The approved software versions are,  
weighing software \*): V1.10 or V2.10  
application software \*): A1.xx.yy(z)  
screen keyboard: K1.xx  
printing software: P4.01.xx

\*) 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
- Gravity compensation device
- Stable equilibrium, Zero, Net and active range indicators.
- Counting (AW20)
- Checkweighing (AW20)

### Interfaces

- RS232
- USB
- Ethernet
- Cash drawer (IP20a / IP20b / PEa / PEb only)
- WiFi (optional)
- RS485 (AW20 only, optional)
- Bluetooth (AW20 only, optional)
- Analog output (AW20 only, optional)

