OIML Member State Denmark	**OIML Certificate No.** **R76/2006-A-DK2-2020.01**

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)*

DL-A / DL-B / DSP / DSW

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**

OIML Certificate No.
R76/2006-A-DK2-2020.01

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. 119-31559.10, dated 13 January 2020, that includes 94 pages

Type evaluation report: No. 119-31559.9020, dated 22 January 2020, that includes 20 pages

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

119-31559

OIML Certificate History

Revision No.	Date	Description of the modification
Initial version	12 February 2020	-

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

Date: 12 February 2020

Jens Hovgård Jensen
2020-02-12

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:	DL-A / DL-B / DSP / DSW
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:	DSP / DSW / DL-B: 12 VDC supplied by external 100-240 VAC/DC adapter Optional 6 V rechargeable battery DL-A: 5 VDC via USB connector.
Operational temperature:	-10 °C to +40 °C

Software

The instruments have software separation.
The software version of the application software is shown during start up of the scale.
The software version of the legal software is shown by pressing the zero key when the application software version is shown.

The approved software versions are,
Legal software: v1.11
Application software: v1.xx(y)

Devices

- Initial zero setting device (≤ 20% of Max)
- Semi-automatic zero setting device (≤ 4% of Max)
- Zero tracking device (≤ 4% of Max)
- Semi-automatic subtractive tare balancing device
- Gravity compensation device
- Stable equilibrium, Zero, Net and active range indicators.

Interfaces

- RS232
  Bluetooth (optional)

Connection to Point Of Sale (POS) system

The DSP scale may be connected to a POS system, if the POS system fulfil the following requirements:

- The POS system uses DSP's 'Unit price' and 'Price to pay' displays
- The POS system update the 'Unit price' display at least each time the weight changes from zero to non-zero.
- The POS system update the 'Price to pay' display with actual price at least each second, when the weight is non-zero.
- The POS system uses – and the DSP is configured to – one of the following protocols:
  - DL CON2
  - CAS protocol