



OIML Member State  
Denmark

OIML Certificate No.  
R76/2006-A-DK2-18.03

**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 Shunchang Road,  
Zhoushi, Kunshan, Jiangsu  
CHINA**

**Manufacturer**      **The applicant**

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

**BW / BWS / VW / CW / CWS / KW / EKW / ELW / NSW / NTW**

**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 examination and 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**

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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. 118-27178.10, dated 15 August 2018 that includes 69 pages

Type evaluation report: No. 118-27178.90, dated 15 August 2018 that includes 3 pages

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

No. 118-27178 dated 15 August 2018

**OIML Certificate History**

<b>Revision No.</b>	<b>Date</b>	<b>Description of the modification</b>
First issuance	16 October 2018	-

Identification, signature and stamp

**The OIML Issuing Authority**

FORCE Certification A/S

Date: 16 October 2018

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:	BW / BWS / VW / CW / CWS / KW / EKW / ELW / NSW / NTW
Accuracy class:	III and IIII
Weighing range:	Single-interval, multi-interval (up to 2 intervals), multi-range (up to 2 ranges)
Maximum capacity (Max):	1 kg to 199 500 kg
Verification scale interval ( $e_i =$ ):	$\geq 0.1$ g
Maximum number of Verification Scale Intervals ( $n_i$ ):	$\leq 7500$ (class III), $\leq 1000$ (class IIII) $\leq 2 \times 7500$ (class III), $\leq 2 \times 1000$ (class IIII)
Maximum tare effect:	-Max
Fractional factor:	$p'i = 0.5$
Minimum input voltage per VSI:	$0.5 \mu\text{V}$
Excitation voltage:	5 VDC
Circuit for remote sense:	present on the model with 7-terminal connector
Minimum input impedance:	43 ohm
Maximum input impedance:	1600 ohm
Mains power supply:	12 VDC, or 100-240 VAC, 50/60 Hz using external adapter. Internal rechargeable battery (optional).
Operational temperature:	$-10^\circ\text{C}$ to $+40^\circ\text{C}$
Maximum 6-wire cable length between indicator and junction box:	461 m/mm <sup>2</sup>

### Software

The instrument has software separation.

The legally relevant software has version 2.00. The software version is displayed as part of the power-up sequence.

The Application software has version 2.xx, where xx can be from 01 to 99. The software version is displayed by pressing the M+ key during the power-up sequence.

### Interfaces

- RS232
- Analog output
- Bluetooth

**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 device
- Gross / Net display
- Extended resolution device
- Piece counting
- Manual check weighing
- Unstable loads weighing
- Accumulation
- Printing device
- Gravity compensation device
- Stable equilibrium, Zero, Net and active range indicators.

