OIML Member State Denmark	**OIML Certificate No.** **R76/2006-A-DK2-2020.16**

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)*

TW20 / NS20 / EW20

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**

Jens Hovgård Jensen
2020-10-01
Digitally signed by Jens Hovgård Jensen
jhje@force.dk
Certification Manager

FORCE Certification A/S · Park Alle 345 2605 Brøndby Tel+45 43 25 01 77 Fax +45 43 25 00 10 info@forcecertification.com
www.forcecertification.com

OIML Certificate No.
R76/2006-A-DK2-2020.16

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. 120-29986.10, dated 26 August 2020, that includes 46 pages

Type evaluation report: No. 120-29986.90.20, dated 29 September 2020, that includes 23 pages

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

120-29986

OIML Certificate History

Revision No.	Date	Description of the modification
Initial version	01 October 2020	-

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

Date: 01 October 2020

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:	TW20 / NS20 / EW20
Accuracy class	III and IIII
Single interval or , multi-range (2 ranges) or multi-interval (2 partial intervals)	
Maximum number of verification scale intervals:	7500 for single-interval 2 × 7500 for multi-range and multi-interval
Maximum tare effect:	-Max
Fraction factor	p'I = 0.5
Minimum input voltage per VSI:	≥0.5 μV
Excitation voltage:	5 VDC
Circuit for remote sense:	present on the model with 7-terminal connector
Maximum cable length to junction box:	461 m/mm^2
Minimum input impedance:	43 ohm
Maximum input impedance:	1600 ohm
Temperature range.	-10 °C to +40 °C
Power supply:	12 VDC supplied by external adapter supplied by 100-240 VAC

Software

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

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

The approved software versions are,

weighing software *):	V1.10
application software *):	A1.xx.yy(z)
screen keyboard:	K1.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 (≤ 20% of Max)
- Semi-automatic zero setting device (≤ 4% of Max)
- Zero tracking device (≤ 4% of Max)
- Semi-automatic subtractive tare balancing device
- Preset tare
- Counting
- Percentage weighing
- Check weighing
- Accumulation og weight
- Gravity compensation device
- Stable equilibrium, Zero, Net and active range indicators.

Interfaces

- RS232
  RS485 (optional)
  USB
  Ethernet
  Bluetooth
  Analog output (optional)
  WiFi (optional)
  Digital output (optional)

OIML Certification System