



OIML Member State  
Denmark

OIML Certificate No.  
R76/2006-A-DK2-2024.07

**OIML CERTIFICATE ISSUED UNDER SCHEME A**

**OIML Issuing Authority**

Name: **FORCE Certification A/S**  
Address: **Park Allé 345, 2605 Brøndby, Denmark**  
Person responsible: **Per Rafn Crety**

**Applicant**

Name: **Changzhou LINWT Instruments Co. Ltd.**  
Address: **No.2, building 56, Tusincere Science Park,  
No. 8 beitanghe Road, Tianing District  
Changzhou city  
China**

**Manufacturer: Changzhou LINWT Instruments Co. Ltd.**

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

**ST510P**

**Designation of the module** (*if applicable*)

**Non-automatic 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 and IIII**

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. 123-30042.10, dated 17 January 2024, that includes 66 pages

Type evaluation report: No. 123-30042.90.20, dated 20 June 2024, that includes 19 pages

The technical documentation relating to the identified type is contained in documentation file:  
123-30042

**OIML Certificate History**

<b>Revision No.</b>	<b>Date</b>	<b>Description of the modification</b>
Initial version	19 September 2024	-

Identification, signature and stamp

**The OIML Issuing Authority**

FORCE Certification A/S

Date: 19 September 2024

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

Accuracy class:	III or IIII
Weighing range:	Single-interval,
Maximum number of Verification Scale Intervals:	$\leq 6000$
Maximum tare effect:	-Max
Fractional factor:	$\rho_i = 0.5$
Minimum input voltage per VSI:	$\geq 1.67 \mu\text{V}$
Excitation voltage:	5 VDC
Circuit for remote sense:	Yes, when using 6-wire connection
Minimum input impedance:	87 ohm
Maximum input impedance:	1100 ohm
Mains power supply:	24 VDC – not to be supplied from DC mains
Operational temperature:	-10 °C to +40 °C

### Software

The approved software version is v. 4.08  
The version can be found in the menu.

### 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 weighing device
- Stable equilibrium, Zero and Net indicators.
- Option for battery operation

**Interfaces**

- RS232
- RS485
- ProfiBus DP
- Modbus RTU
- Modbus-TCP
- ProfiNet
- CC-link
- Ethernet/IP
- 4-20 mA current loop
- Digital input
- Digital output

The interface does not have to be secured.

