OIML Member State Denmark		**OIML Certificate No.** **R76/2006-A-DK2-24.12**

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: **Curiotec Co. Ltd.,**
Address: 79, Myeong-bong-san-ro 352 beon-gil,
guangton-mueon,
Paju-si, Gyeonggi-do, 413-855,
South Korea

Manufacturer **Curiotec Co. Ltd.,**
CAS (Zhejiang) Electronics Co. Ltd, China.
CAS Corporation, Republic of Korea
CAS Elektronik San. Tic. A.S., Turkey
CAS Deutschland AG, Germany.

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

CTI-1200 series

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**

FORCE Certification A/S · Park Alle 345 2605 Brøndby Tel+45 43 25 01 77 info@forcecertification.com www.forcecertification.com
Task no.: 124-31193.90.10 and ID no.: FC-OIML-18525-1 forcecertification.com/en/weighing

OIML Certificate No.
R76/2006-A-DK2-24.12

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:
TR-572, dated 11 May 2010, that includes 39 pages
No. SN1135, dated 11 May 2010, that includes 13 pages
No. SN1136, dated 11 May 2010, that includes 10 pages
No. SN1349, dated 11 March 2016, that includes 09 pages
No. SN1406, dated 18 October 2017, that includes 10 pages

Type evaluation report: No. 124-31193.90.10, dated 29 November 2024, that includes 17 pages

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

124-31193.10

OIML Certificate History

Revision No.	Date	Description of the modification
Initial version	12 December 2024	-

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

Date: 12 December 2024

Jens Hovgård Jensen
2024-12-12

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

The main features of the instruments are,

- Plastic construction (CTI-1200A and CTI-1201A)
- Metal construction (CTI-1200S and CTI-1200SC)
- Alphanumeric keypad
- LCD display and indicators (CTI-1201A)
- LED display and indicators (CTI-1200A, CTI-1200S and CTI-1200SC)
- Battery indicator

Software

The software is designated “V1.xx” or “V2.xx”

This information is displayed at power up and may be displayed like this:

where:

- xx is reflecting non-legally relevant changes and may be numbers, letters, symbols or blank,

(Note V can be displayed as u or U on an LED display)

Access to the legally relevant parameters is only possible by accessing the calibration switch on the main board. Access to this calibration switch and download of software is prevented by sealing the enclosure.

Examples of scales

Designation	Platform	Dead load of receptor	Max (kg)	E= (kg)	Load cell type	Load cell Emax	Number of load cells
Indicator CTI-1200x							
CTI1200x-6	SPS(SUS)-6	3	6	0,002	BCLS-10L	10	1
CTI1200x-15	SPS(SUS)-15	4	15	0,005	BCLS-20L	20	1
CTI1200x-30	SPS(SUS)-30	4	30	0,01	BCLS-50L	50	1
CTI1200x-60	SPS(SUS)-60	10	60	0,02	BCLS-100L	100	1
CTI1200x-150	SPS(SUS)-150	10	150	0,05	BCLS-180L	180	1
Indicator CTI-1200Sx							
CTI1200Sx-6	SPS(SUS)-6	3	6	0,002	BCLS-10L	10	1
CTI1200Sx-15	SPS(SUS)-15	4	15	0,005	BCLS-20L	20	1
CTI1200Sx-30	SPS(SUS)-30	4	30	0,01	BCLS-50L	50	1
CTI1200Sx-60	SPS(SUS)-60	10	60	0,02	BCLS-100L	100	1
CTI1200Sx-150	SPS(SUS)-150	10	150	0,05	BCLS-180L	180	1

*) E_{max} in the above table refers to the actual measuring range and does not include the dead load for the instrument

The load cell fitted in the instrument is a CAS load cell, according to the tables in section 3.1.1.

Technical data

Power Supply	12 VDC from external mains adapter intended for 100-240VAC 50/60Hz
Maximum number of scale intervals	10,000
Load cell excitation voltage	5 VDC
Minimum load cell impedance	43.75 Ω
Maximum load cell impedance	1000 Ω
Minimum input voltage per verification scale interval	0.5 µV
Measuring range minimum voltage	0 mV
Measuring range maximum voltage	16 mV
Fraction of maximum permissible error	Pind=0.5
Operating temperature	-10°C to -40°C
Load cell cable maximum length (From indicator to load cell junction box)	22m/mm^2 (6-wire configuration)

Devices

- Initial zero setting device (≤ 20% of Max)
- Semi-automatic zero setting device (≤ 4% of Max)
- Zero tracking device (≤ 4% of Max)
- Zero indicator
- Net indicator
- Semi-automatic subtractive tare balancing device
- Gravity compensation
- Printing
- Counting function (CTI-1200A)
- Hold function
- Percent function (CTI-1200A)
- Totalisation (CTI-1200A)
- Checkweighing (CTI-1200A and CTI-1200SC)

Interfaces

RS232 / RS485.
USB