

		
OIML Member State Denmark	OIML Certificate No. R76/2006-A-DK2-2023.05	
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: CAS Corporation. Address: #262, Geurugogae-ro, Gwangjeok-myeon, Yangju-si, Gyeonggi-do Republic of Korea		
Manufacturer 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 <i>(the detailed characteristics will be defined in the additional pages)</i> CI-10xA Series		
Designation of the module <i>(if applicable)</i> Non-automatic 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		

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:

Test report TR-768 / NMO, dated 26 October 2018 that includes 25 pages

Type examination report: No. 120-29933.10, dated 19 May 2022, that includes 83 pages

Type evaluation report: No. 120-29933.90.40, dated 19 June 2023, that includes 20 pages

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

119-23195.90.65

120-29933

OIML Certificate History

Revision No.	Date	Description of the modification
Initial version	23 October 2023	-

Identification, signature and stamp

The OIML Issuing Authority

FORCE Certification A/S

Date: 23 October 2023

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 CI-10xA Series

- Accuracy class III
- Single interval, multi interval (dual)
- Maximum number of verification scale intervals: 3000 or 2x3000
- Maximum capacity (Max): 60 to 600 kg
- Minimum capacity (Min): $20 \times e_i$
- Verification scale interval(e_i): Max_i / n_i
- Minimum input voltage per VSI: $1.2 \mu V/e$
- Excitation voltage: 3.3 VDC
- Minimum input impedance: 350 ohm
- Maximum input impedance: 1000 ohm
- Power supply: 5.9 VDC from external mains adapter for 100-240VAC
Optional 4,8 VDC rechargeable battery
Optional dry cell batteries, 4x1.5VDC
- Maximum tare effect: -Max or -Max₁
- Temperature range: -10 °C to +40 °C

Software

The software is designated "V1.xx".

This information is displayed at power up and can be displayed in one of the following ways:

"V1.xx" or "u1.xx" or "U1.xx" or
"V 1.xx" or "u 1.xx" or "U.1.xx" or
"V1xx" or "u1xx" or "U1xx" or
"v 1xx" or "u 1xx" or "u 1xx"

V can be displayed as u or U on a segment display.

xx represents minor non-legal changes and can be number, characters, symbol or left blank.

Metrological characteristics

Designation	Dead load [kg]	Max [kg]	e = (kg) [kg]	Load cell type	E _{max} [kg]	Load cell certificate number
CI-10*A/SPS5060-150	13.39 kg	150	0,05	BCF / BCM	200	R60/1991- NL-97.13
CI-10*A/SPS5060-300	13.39 kg	300	0,1		500	
CI-10*A/SPS6070-150	19.14 kg	150	0,05		200	
CI-10*A/SPS6070-300	19.14 kg	300	0,1		500	
CI-10*A/SPS6070-600	19.14 kg	600	0,2		750	
CI-10*A/SPS7080-300	23.64 kg	300	0,1		500	
CI-10*A/SPS7080-600	23.64 kg	600	0,2		750	
CI-10*A/SPS8090-300	28.68 kg	300	0,1		500	
CI-10*A/SPS8090-600	28.68 kg	600	0,2		750	

All scale models have one load cell.

Other models are allowed, if they are in accordance with the above characteristics and they fulfil compatibility of modules according to EN 45501:2015 annex F.

Devices

- Initial zero setting device on power up ($\leq 20\%$ Max)
- Semi-automatic zero setting ($\leq 4\%$ Max)
- Automatic zero-setting (requires stable below zero for at least 5 sec.)
- Zero tracking (optional) ($\leq 4\%$ Max)
- Zero enunciator
- Net enunciators
- Semi-automatic subtractive tare balancing
- Gross/Net toggle
- Indication of stable equilibrium
- Gravity compensation
- Printing (though I/O)

Interfaces

- RS232C
- USB
- RS485
- Bluetooth

The interfaces do not have to be secured.

