

Member State of OIML  
United Kingdom of Great Britain  
and Northern Ireland

OIML Certificate No  
R76/2006-GB1-14.05  
Revision 1

## OIML CERTIFICATE OF CONFORMITY

Issuing authority: **National Measurement Office**

Person responsible: **Paul Dixon – Director, Product Certification**

Applicant: **CAS Corporation  
#262, Geurugogae-ro  
Gwangjeok-myeon  
Yangju-si  
Gyeonggi-do  
Republic of Korea**

Manufacturer: **The applicant**

Identification of the certified pattern: **CI-600A Series and CI-600D Series**

This certificate attests the conformity of the above-mentioned pattern (represented by the samples identified in the associated test report) with the requirements of the following Recommendation of the International Organisation of Legal Metrology (OIML):

### **OIML R 76 - Edition 2006(E) for accuracy class: [III] and [IIII]**

This certificate relates only to the metrological and technical characteristics of the pattern of the instrument concerned, as covered by the relevant OIML International Recommendation.

This certificate does not bestow any form of legal international approval.

Important note: Apart from the mention of the certificates reference number and the name of the OIML Member State in which the certificate was issued, partial quotation of the certificate or of the associated test report is not permitted, though they may be reproduced in full.

This revision replaces previous versions of the certificate.

**Issue Date: 06 November 2014**  
**Reference No: TS1201/0071**



**Signatory: G Stones  
for Chief Executive**

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**National  
Measurement  
Office**

The conformity was established by tests described in the associated pattern evaluation report P01466 which includes 13 pages.

### **Characteristics of the instrument:**

#### Characteristics:

This family of instruments, designated the CI-600 Series, utilises the CI-601A, CI-605A or CI-607A digital indicating devices connected to a weighing platform to form a single or dual-interval, Class III or IIII, non-automatic weighing instrument.

The instruments are designated the CI-601A and CI-605A respectively, and are not designed for direct sales to the public.

#### Main features:

- Plastic enclosure
- 4.3" LCD display
- Operator keypad with numerical, navigation and function keys
- Relay In/Out(4 inputs, 6 outputs) option card (CI-605A)
- Relay In/Out(6 inputs, 8 outputs) option card (CI-607A)
- Analogue Out option card (CI-601A, CI-605A, CI-607A)

#### Devices:

- Initial zero setting device on power up
- Semi-automatic zero setting
- Zero tracking (optional)
- Semi-automatic subtractive tare weighing
- Preset tare
- Gross/Net indication
- Zero-indicator
- Indication of stable equilibrium
- Net indicator
- Gravity compensation
- Hold function
- Soft functions keys (F1, F2 and F3 can be allocated a function)
- Memory storage

#### Interfaces:

- Load cell connection
- RS232/485
- Relay In/Out (4 inputs, 6 outputs) (CI-605A)
- Relay In/Out (6 inputs, 8 outputs) (CI-607A)
- Analogue Out (CI-601A, CI-605A, CI-607A)

#### Load cell:

Any compatible load cell(s) may be used providing the following conditions are met:

- There is a respective OIML Certificate of Conformity (R60) issued for the load cell.
- The certificate contains the load cell types and the necessary load cell data required for the manufacturer's declaration of compatibility of modules, and any particular installation requirements. A load cell marked NH is allowed only if humidity testing to R76 has been conducted on this load cell.

- The compatibility of the load cells and indicator is established by the manufacturer by means of the compatibility of modules calculation at the time of verification.
- The load cell transmission conforms to a standard type.

Technical data (indicators):

Power supply	100-240 VAC, 50/60 Hz
Maximum number of scale intervals	10,000 (Class III), single or dual interval 1,000 (Class III), single or dual interval
Maximum Tare value	- Max
Maximum Preset Tare value	- Max (single interval) - Max <sub>1</sub> (dual interval)
Load cell excitation voltage	5 VDC
Minimum load cell impedance	43 Ω
Maximum load cell impedance	1100 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	P <sub>1</sub> = 0.5
Operating temperature range	- 10 °C to + 40 °C
Load cell cable (from indicator to load cell junction box) - Maximum length	183 m/mm <sup>2</sup> (6-wire configuration)

Software:

The software is held in firmware on the circuit board, and has the identification number V1.xx, with xx reflecting non-legally relevant changes. Access to the setup/configuration mode is only allowed via a jumper located on the circuit board.

Sealing:

Access to the setup/configuration jumper is prevented by sealing the enclosure via a wire-and-seal solution.

Alternative:

Having a modified instrument designed to be connected to a digital load cell, and designated as follows:

- CI-601D when fitted with Analogue Out card
- CI-605D when fitted with Analogue Out and Relay In/Out (4 inputs, 6 outputs) card
- CI-607D when fitted with Analogue Out and Relay In/Out (6 inputs, 8 outputs) card

The digital load cell may be a WBK-D, manufactured by CAS Corporation, as described in OIML Certificate R60/2000-NL1.1308.

**Certificate History**

<b>ISSUE NO.</b>	<b>DATE</b>	<b>DESCRIPTION</b>
R76/2006-GB1-14.05	15 May 2014	Certificate first issued
R76/2006-GB1-14.05 Rev 1	06 November 2014	CI-607A model added. CI-600D Series added (Alternative).