



National
Measurement &
Regulation Office



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

OIML Certificate No
R76/1992-GB1-10.06
Revision 2

OIML CERTIFICATE OF CONFORMITY

Issuing authority: **National Measurement and Regulation Office**

Person responsible: **Paul Dixon – Director, Technical Services**

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

Manufacturer: **The applicant**

Identification of the
certified pattern: **CI-200 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 1992(E) for accuracy class: [III]

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: 10 March 2016
Reference No: T1127/0039

G Stones
Technical Manager - NMRO Technical Services
For and on behalf of the Chief Executive

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The conformity was established by tests described in the associated pattern evaluation report P01577 which includes 13 pages.

Characteristics of the instrument:

The instrument is a CI-200 Series, Class III, mains or battery-operated, self-indicating, single or dual-interval, non-automatic weighing instrument.

It consists of a CI-200 Series indicator connected to a weighing platform.

The CI-200 Series comprises the CI-200A, CI-201A, CI-200S and CI-200SC models.

Construction:

- Plastic (CI-200A and CI-201A) or stainless steel (CI-200S and CI-200SC) enclosure
- LED (CI-200A, CI-200S and CI-200SC) or LCD (CI-201A) display
- LED indicators (CI-200A, CI-200S and CI-200SC)
- LCD indicators (CI-201A)
- Alphanumerical keypad
- Battery indicators (low, charging)

Devices:

- Initial zero setting device on power up
- Semi-automatic zero setting
- Zero tracking (optional)
- Semi-automatic subtractive tare weighing
- Zero-indicator
- Indication of stable equilibrium
- Net indicator
- Gravity compensation
- Printing
- Hold function
- Counting mode (CI-201A)
- Percent mode (CI-201A)
- Totalisation (CI-201A)
- Checkweighing (CI-201A and CI-200SC)

Interfaces:

- RS232/485
- USB

Load cell:

Any compatible load cell 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.

Technical data:

| | |
|---|---|
| Power supply | 12 Vdc via mains adaptor 6 V rechargeable battery |
| 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 μ V |
| Measuring range minimum voltage | 0 mV |
| Measuring range maximum voltage | 16 mV |
| Fraction of maximum permissible error | Pind = 0.5 |
| Operating temperature range | - 10 °C to + 40 °C |
| Load cell cable (from indicator to load cell junction box) - Maximum length | 2 m (4-wire configuration) 22 m/mm2 (6-wire configuration) |

Software identification:

The software is held in firmware on the circuit board, and has the identification number V1.xx or V2.xx, with xx reflecting non-legally relevant modifications. Access to the setup/configuration mode is only allowed by operating a switch on the circuit board.

Sealing measures:

The load cell connection must be secured and access to the electronics and calibration switch prevented.

Alternatives manufacturers:

Shanghai CAS Electronics Co., Ltd,
Maixinroad 448, Xinqiaozhen, Songjiangqu,
Shanghai, China

CAS Elektronik San. Tic. A.S.
Yukari Dudulu, Bostanci Cad. Mevdudi Sokak No: 34
Umraniye-Istanbul / Turkey

CAS (Zhejiang) Electronics Co., Ltd
99# Changjiang Road
Jiashan County
Zhejiang Province, China

Certificate History

| ISSUE NO. | DATE | DESCRIPTION |
|-----------------------------|------------------|--|
| R76/1992-GB1-10.06 | 19 April 2010 | Certificate first issued. |
| R76/1992-GB1-10.06 rev 1 | 19 February 2015 | Addition of sections: Software identification and Sealing measures. Addition of: CAS (Zhejiang) Electronics Co., Ltd. |
| R76/1992-GB1-10.06 rev 2 | 10 March 2016 | USB added to the Interfaces section. |