

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

OIML Certificate No  
R76/1992-GB1-15.01

## 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: **MP 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.

**Issue Date: 17 March 2015**  
**Reference No: TS1201/0103**



**Signatory: G Stones**  
**for Chief Executive**

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NMO is an Executive Agency of the Department for Business, Innovation and Skills



**National  
Measurement  
Office**

The conformity was established by tests and examination described in the associated pattern evaluation report P01375 which includes 12 pages.

### **Characteristics of the instruments:**

This family of instruments is designated the MP Series, and comprises a CI-200 Series indicator connected to load cells fitted on a pallet truck. The instruments are Class III, battery-operated, self-indicating, single-interval, non-automatic weighing instruments.

The instrument may be used for direct sales to the public.

#### Construction:

- CI-200A or CI-201A indicator
- Load receptor comprising 2 forks supported by 3 wheels
- Integrated battery
- Load receptor height sensor
- Tilt sensor
- Brakes
- Optional printer

The load receptor may have the following dimensions:

Type A: 1130 (L) x 540 (W) mm  
Type B: 1130 (L) x 620 (W) mm  
Type C: 1130 (L) x 705 (W) mm

#### 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, around Gross or Net zero)
- Zero indicator
- Net indicator
- Stable weight indicator
- Semi-automatic subtractive tare weighing device ( $T = - \text{Max}$ )
- Gravity compensation
- Weight compensation with tilt
- Prevention of weight indication above maximum tilt (5%)
- Prevention of weight indication outside forks weighing window (8 to 13 cm height)
- Adjustable height
- Printing

#### Load cell:

The load cells are 4 x CAS load cell, model BSAC capacities as per following table.

Technical data:

The instrument operates on a 12 VDC integrated battery, located in the column.

Max	1000 kg	1500 kg	2000 kg
e =	500g	500g	1 kg
Min	10 kg	10 kg	20 kg
E <sub>max</sub>	1000 kg	1000 kg	1000 kg

The temperature range for the instrument is -10 °C / +40 °C.

Interfaces:

– RS232/485

Software:

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, EPROM and setup/configuration switch are protected by wire-and-seal or tamper-evident label solutions.

Alternative 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

Zhejiang CAS Electronics Co., Ltd.  
Building NO.99, Changjiang Road, Huimin Street  
Jiashan County, Zhejiang Province  
China

**Certificate History**

ISSUE NO.	DATE	DESCRIPTION
R76/1992-GB1-15.01	17 March 2015	Certificate first issued.
-	-	No revisions have been issued.