

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

OIML Certificate No
R76/1992-GB1-10.04
Revision 2

OIML CERTIFICATE OF CONFORMITY

Issuing authority: **National Measurement Office**

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

Applicant: **CAS Corporation
19 Ganap-Ri
Gwangjuk-Myoun
Yangju-Si
Gyeonggi-Do 482-841
Republic of Korea**

Manufacturer: **The applicant**

Identification of the certified pattern: **SW 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: 12 May 2014
Reference No: T1128/0107



Signatory: G Stones

This revision replaces earlier versions of the certificate.

The conformity was established by tests and examination described in the associated pattern evaluation report P00945 which includes 24 pages.

The manufacturer of the certified pattern is the Applicant, or the following companies:

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

Characteristics of the instruments:

Class III, mains or battery-operated, self-indicating, non-automatic weighing instruments designated SW Series and comprising the ED, ER PLUS, ER PLUS-M, SW-1, ER JR and PW-II models and their variants.

Single-interval instruments:

Model	ED				ER PLUS / ER PLUS M		
Max (kg)	3	6	15	30	6	15	30
Min (g)	20	40	100	200	40	100	200
e (g)	1	2	5	10	2	5	10

Model	SW-1S, SW-1C, SW-1W, SW-1LR, SW-1WR							
Max (kg)	2	3	5	6	10	15	20	30
Min (g)	20	20	40	40	100	100	200	200
e (g)	1	1	2	2	5	5	10	10

Model	ER JR			PW-II		
2	5	10	2	5	10	2
20	40	100	20	40	100	20
1	2	5	1	2	5	1

Dual-interval instruments:

Model	ED				ER PLUS / ER PLUS M		
Max (kg)	1.5 / 3	3 / 6	6 / 15	15 / 30	3 / 6	6 / 15	15 / 30
Min (g)	10	20	40	100	20	40	100
e (g)	0.5 / 1	1 / 2	2 / 5	5 / 10	1 / 2	2 / 5	5 / 10

Model	SW-1S, SW-1C, SW-1W, SW-1LR, SW-1WR							
Max (kg)	1 / 2	1.5 / 3	2.5 / 5	3 / 6	4 / 10	6 / 15	10 / 20	15 / 30
Min (g)	10	10	20	20	40	40	100	100
e (g)	0.5/1	0.5/1	1/2	1/2	2/5	2/5	5/10	5/10

Model	ER JR			PW-II		
Max (kg)	3 / 6	6 / 15	15 / 30	1 / 2	2.5 / 5	4 / 10
Min (g)	20	40	100	10	20	40
e (g)	1 / 2	2 / 5	5 / 10	0.5 / 1	1 / 2	2 / 5

Construction:

- Steel construction
- Operator's keypad
- Stainless steel load receptor
- Level indicator
- Operator and customer display

Load cell:

The load cell is a CAS load cell, model SW.

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)
- Zero indicator
- Net indicator
- Semi-automatic subtractive tare balancing device
 - $T \leq - 50\%$ Max (single-interval instruments)
 - $T \leq - \text{Max}_1$ (dual-interval instruments)
- Gravity compensation
- Check weighing and weighing unstable samples modes (SW-1S, SW-1C, SW-1W, SW-1LR, SW-1WR, ER JR, PW-II and ED Models only)

Technical data:

Any compatible CE-marked mains adaptor may be used to supply 12 V DC (ED, ER PLUS, SW-1 and ER JR Models) or 9 V DC (PW-II Model) to the instrument.

The instrument may also operate on an integrated rechargeable 6 V 3.6 Ah battery (ED, ER PLUS and ER JR Models), integrated 4 x 1.5 V D type batteries (ER JR Model), integrated rechargeable 6 V 3.5 Ah battery (SW-1 Model), or integrated 6 x 1.5 V AA batteries (PW-II Model).

The temperature range for the instruments is -10 to +40 °C.

Sealing:

Access to the load cell and calibration switch is prevented by sealing the enclosure using a wire-and-seal or tamper-evident sticker.

Certificate History

ISSUE NO.	DATE	DESCRIPTION
R76/1992-GB1-10.04	27 May 2009	Certificate first issued
R76/1992-GB1-10.04 rev 1	04 September 2012	Load cell and technical data sections added.
R76/1992-GB1-10.04 rev 2	12 May 2014	Single-interval instruments added. Max tare value added to devices section. Sealing section added.