



**United Kingdom of Great Britain
and Northern Ireland**



**OIML Certificate No
R76/1992-GB1-09.10
Revision 1**

OIML CERTIFICATE OF CONFORMITY

Issuing authority

Name: **National Weights and Measures Laboratory
(Part of the National Measurement Office)**
Address: **Stanton Avenue
Teddington
Middlesex
TW11 0JZ
United Kingdom**

Person responsible:

Paul Dixon - Product Certification Manager

Applicant

Name: **CAS Corporation**
Address: **19 Ganap-Ri
Gwangjuk-Myoun
Yangji-Si
Gyeonggi-Do 482-841
Republic of Korea**

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. Mevduci Sokak No: 34
Umraniye-Istanbul / Turkey

Identification of the certified pattern:

Angel Series, AP⁺ Model, non-automatic weighing instrument

Further characteristics see page 2

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 Organization of Legal Metrology (OIML):

OIML:	R76
Edition:	1992 (E)
Accuracy class:	III

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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.

The conformity was established by tests described in the associated:

NWML Test report:	SN 1107	having 46 pages
Pattern evaluation report:	P00240	having 13 pages

The issuing authority



Mr P R Dixon

The CIML member



Mr P Mason

Date: 02 February 2010

Ref: T1128/0260

Characteristics: The instrument is an Angel Series, AP⁺ Model, Class III, mains-operated, self-indicating, price-computing, single or dual-interval, non-automatic weighing instrument.

Main features:

- Steel construction
- Operator's keypad
- Stainless steel load receptor
- Pole-mounted double-sided VFD display
- Level indicator

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
- Gravity compensation
- Price-computing
- Totalisation (including non-weighed items)
- PLU

Load cell: The load cell is CAS load cell, model BC.

Technical data: The instrument operates on a 110 or 240 Vac mains power supply.

Temperature-range: -10 to +40 °C

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Metrological characteristics:

Model	AP ⁺					
Max	3/6 kg	6 kg	6/15 kg	15 kg	15/30 kg	30 kg
Min	20 g	40 g	40 g	100 g	100 g	200 g
e =	1/2 g	2 g	2/5 g	5 g	5/10 g	10 g
T	-2.999 kg	-6 kg	-5.998 kg	-15 kg	-14.995 kg	-30 kg
E _{max}	6 kg	6 kg	15 kg	15 kg	30 kg	30 kg

Note: E_{max} in the above table refers to the actual measuring range and does not include the dead load for the instrument.

Interfaces: The instrument may have a number of RS232 ports

Certificate History

ISSUE NO.	DATE	DESCRIPTION
R76/1992-GB1-09.10	06 November 2009	Certificate first issued.
R76/1992-GB1-09.10 revision 1	02 February 2010	Instrument designation changed from AP to AP ⁺ .

Important note: Apart from the mention of the certificate's 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.