



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



OIML Certificate No  
R76/1992-GB1-10.03

## OIML CERTIFICATE OF CONFORMITY

Issuing authority

Name: **National Weights and Measures Laboratory  
(Part of 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. Mevdudi Sokak No: 34  
Umraniye-Istanbul / Turkey

Identification of the certified pattern:

**CASTON Series non-automatic weighing instruments  
Further characteristics see page 2**

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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):

<b>OIML:</b>	<b>R76</b>
<b>Edition:</b>	<b>1992 (E)</b>
<b>Accuracy class:</b>	<b>III</b>

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:

Test reports:	SN:1026 having 10 pages
	TR: 523 having 32 pages
Pattern evaluation checklist:	G20128/2 having 13 pages

The issuing authority



Mr P R Dixon

The CIML member



Mr P Mason

Date: 28 January 2010  
Ref: T1138/0021

**Characteristics:** This instrument is a Class III, battery powered, self-indicating, single-interval, non-automatic weighing instrument (crane scale), designated the CASTON Series. The Series comprises the CASTON II and CASTON III models.

**Main features:**

- Steel construction
- Operator's keypad
- "One-Module" weighing module
- LCD or LED display
- Upper lift eye bolt and lower hook

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Devices:

- Initial zero setting device on power up
- Semi-automatic zero setting
- Zero tracking
- Semi-automatic subtractive tare balancing
- Zero-indicator
- Indication of stable equilibrium
- Net indicator
- Hold function
- Gravity compensation

Load cell:

- CAS type SS described in R60/2000-GB1-07.06
- 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.

Metrological characteristics:

Model	CASTON II				
Max (kg)	500	1000	2000	3000	5000
Min (kg)	4	10	20	20	40
e (kg)	0.2	0.5	1	1	2
T (kg)	500	1000	2000	3000	5000
Load cell capacity (kg) *	-	-	2500	3500	6000

Model	CASTON III				
Max (kg)	500	1000	2000	3000	5000
Min (kg)	4	10	20	20	40
e (kg)	0.2	0.5	1	1	2
T (kg)	500	1000	2000	3000	5000
Load cell capacity (kg) *	-	-	2500	3500	6000

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Model	CASTON III					
Max (kg)	10000	15000	20000	30000	50000	60000
Min (kg)	100	100	200	200	400	400
e (kg)	5	5	10	10	20	20
T (kg)	10000	15000	20000	30000	50000	60000
Load cell capacity (kg) *	-	-	-	-	-	-

\* : when an SS load cell is used.

Technical data:

Power supply	5 Vdc
Maximum number of scale intervals	3000
Load cell excitation voltage	5 Vdc
Minimum load cell impedance	350 $\Omega$
Maximum load cell impedance	1000 $\Omega$
Minimum input voltage per verification scale interval	1.2 $\mu$ V
Measuring range minimum voltage	3.6 mV
Measuring range maximum voltage	10 mV
Fraction of maximum permissible error	$P_{ind} = 0.5$
Operating temperature range	- 10 °C to + 40 °C
Load cell cable (from One-Module to load cell junction box)	Maximum length = 3m

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.