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

OIML Certificate No
R60/2000-GB1-07.04

# OIML CERTIFICATE OF CONFORMITY

Issuing authority

Name: **National Weights and Measures Laboratory**

Address: **Stanton Avenue**
**Teddington**
**Middlesex, TW11 0JZ**
**United Kingdom**

Person responsible: **Gavin Stones – Deputy Product Certification Manager**

Applicant

Name: **CAS Corporation**

Address: **#19 Ganap-ri**
**Gwangjuk-Myoun**
**Yangju-Si**
**Gyeonggi-Do 482-841**
**Rep. of Korea**

Manufacturer of the certified pattern is:

**The applicant &**
**Shanghai CAS Electronics Co., Ltd,**
**Maixinroad 448, Xinqiaozhen, Songjiangqu,**
**Shanghai, China**

Identification of the certified pattern:

**Steel compression (beam) strain gauge load cell**

| | |
|---|---|
| Model Designation | BSA-250L |
| Maximum capacity, $E_{max}$ | 250 |
| Accuracy class | C |
| Maximum number of load cell intervals, $n_{max}$ | 3000 |
| Minimum verification interval, $V_{min}$ | $E_{max}$ / 6025 |
| Apportionment factor; $p_{LC}$ | 0.7 |

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):

**R 60** *Metrological regulation for load cells* **Edition: 2000 (E)** for **accuracy class :** C3

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.

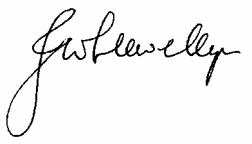
This certificate does not bestow any form of legal international approval.

The conformity was established by tests described in the associated test report: N° SN1020 which includes 25 pages.

Issuing authority

Mr G E Stones
*for* NWML

CIML member



Dr J W Llewellyn

Date 14 August 2007
Ref: T1136/0020

**Table 1: Essential technical data**

| *Model designation* | *Designation* | *Value* | *Units* |
|---|---|---|---|
| Classification | | C3 | |
| Additional marking | | - | |
| Maximum number of load cell verification intervals | $n_{LC}$ | 3000 | |
| Maximum capacity | $E_{max}$ | 250 | kg |
| Minimum dead load, relative | $E_{min}/E_{max}$ | - | % |
| Relative $V_{min}$ (ratio to minimum LC verification interval) | $Y = E_{max}/V_{min}$ | 6025 | |
| Relative DR (ratio to minimum dead load output return) | $Z = E_{max}/(2*DR)$ | 3048 | |
| Rated output | | 3.0 | mV/V |
| Maximum excitation voltage | | 15 | V dc |
| Input impedance (for strain gauge LCs) | $R_{LC}$ | 350 | Ω |
| Temperature rating | | -10/+40 | °C |
| Safe overload, relative | $E_{lim}/E_{max}$ | 150 | % |
| Cable length | | 5 | m |
| Additional characteristics | | 4- or 6-wire (plus screen) | |

*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.