National Measurement Office

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

OIML Certificate No
R76/2006-GB1-12.01

OIML CERTIFICATE OF CONFORMITY

Issuing authority: **National Measurement Office**

Person responsible: **Paul Dixon – Product Certification Manager**

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: **RW-5000 Series: RW-5002PL Model**

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 2006(E) for **accuracy class**: [III] or [IIII]

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: **29 February 2012**
Reference No: **TS1201/0023**

Signatory: **P R Dixon**

UKAS PRODUCT CERTIFICATION 0135

BIS Department for Business Innovation & Skills

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The conformity was established by tests described in the associated pattern evaluation report P00709 which includes 13 pages.

Characteristics of the instrument:

This instrument, designated the RW-5002PL, utilises the RW-5002PL digital indicating device (part of the RW-5000 Series) connected to two independent weighing platforms (weigh pads) to form a single or dual-interval, Class III or IIII, weighing instrument.

The instrument is portable, self-indicating and battery-powered, and shall not be used for direct sales to the public.

Construction:

- Plastic enclosure
- LCD display
- Alphanumerical keypad and function keys
- Integrated printer
- Dual channel (two load cell connections)
- 7-pin load cell connectors

Devices:

- Initial zero setting device on power up
- Semi-automatic zero setting
- Zero tracking (optional)
- Zero-indicator
- Indication of stable equilibrium
- Gravity compensation
- Printing
- Totalisation of weights
- Load identification register

Note: The summation of axle weights is not permitted under this certificate.

Interfaces:

- RS232/485
- USB (optional)

Seals:

The calibration and setup parameters can only be accessed via the sealed switch located on the main board.

Technical data:

Power supply	12 VDC, 1.25 A rechargeable battery
Maximum number of scale intervals	10,000 (Class III) 1,000 (Class IIII)
Load cell excitation voltage	5 VDC
Minimum load cell impedance	43.75 Ω
Maximum load cell impedance	1000 Ω
Minimum input voltage per verification scale interval	0.5 μV
Measuring range minimum voltage	0 mV
Measuring range maximum voltage	16 mV
Fraction of maximum permissible error	P_i = 0.5
Operating temperature range	- 10 °C to + 40 °C
Load cell cable (from indicator to load cell junction box) - Maximum length	2 m (4-wire configuration) 22 m/mm^2 (6-wire configuration)

Load cell:

Any compatible load cell(s) 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 at the time of verification.
- The load cell transmission conforms to a standard type.

Certificate History

ISSUE NO.	DATE	DESCRIPTION
R76/2006-GB1-12.01	29 February 2012	Certificate first issued.