

	
<b>OIML Member State</b> United Kingdom of Great Britain and Northern Ireland	<b>OIML Certificate No.</b> <b>R76/2006-A-GB1-18.11</b>
<b>OIML CERTIFICATE ISSUED UNDER SCHEME A</b>	
<b>OIML Issuing Authority</b>	<b>NMO</b> <b>Stanton Avenue</b> <b>Teddington</b> <b>TW11 0JZ</b> <b>United Kingdom</b>
<b>Person responsible:</b>	<b>Mannie Panesar – Head of Technical Services</b>
<b>Applicant</b>	<b>CAS Corporation</b> <b>#262, Geurugogae-ro</b> <b>Gwangjeok-myeon</b> <b>Yangju-si</b> <b>Gyeonggi-do</b> <b>Republic of Korea</b>
<b>Manufacturer</b>	<b>The applicant</b>
<b>Identification of the certified type</b>	<b>RW-5000 Series: RW-5002PL Model</b> <i>(the detailed characteristics are defined in the Descriptive Annex)</i>
<p>This OIML Certificate attests the conformity of the above identified type (represented by the sample(s) identified in the OIML type evaluation report) with the requirements of the following Recommendation of the International Organization of Legal Metrology (OIML):</p> <p><b>OIML R 76-1, Edition: 2006</b></p> <p>For accuracy class: III and IIII</p>	
<p>Issue date: 24 October 2018</p> <p><b>The OIML Issuing Authority</b></p> <div style="display: flex; justify-content: space-between; align-items: flex-start;"> <div data-bbox="188 1771 783 1977" style="width: 60%;">   <b>Grégory Glas</b>  <b>Lead Technical Manager</b>  <i>For and on behalf of the Head of Technical Services</i> </div> <div data-bbox="1241 1787 1353 1939" style="width: 35%; text-align: center;">   <b>UKAS</b>          PRODUCT          CERTIFICATION       </div> </div> <p style="text-align: right;"><b>0135</b></p>	

This OIML Certificate relates only to metrological and technical characteristics of the type of measuring instrument covered by the relevant OIML Recommendation identified above.

This OIML Certificate does not bestow any form of legal international approval.

The conformity was established by the results of tests and examinations provided in the associated OIML type evaluation report:

No. P02431-4 dated 24 October 2018 that includes 16 pages

The technical documentation relating to the identified type is contained in documentation file:

No. P02431-4-D dated 24 October 2018

#### **OIML Certificate History**

<b>Revision No.</b>	<b>Date</b>	<b>Description of the modification</b>
Revision 0	24 October 2018	Certificate first issued.
-	-	-

No revisions have been issued.

*Important note:*

*Apart from the mention of the Certificate's reference number and the name of the OIML Member State in which the Certificate is issued, partial quotation of the Certificate and of the associated OIML type evaluation report(s) is not permitted, although either may be reproduced in full.*

## DESCRIPTIVE ANNEX

### 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.

### Main features:

- 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 ( $\leq 20\%$  Max)
- Semi-automatic zero setting ( $\leq 4\%$  Max)
- Zero tracking (optional) ( $\leq 4\%$  Max)
- 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:

- Load cell connection
- RS232/485
- USB (optional)

### 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.

Technical data (indicator):

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 $\Omega$
Maximum load cell impedance	1000 $\Omega$
Minimum input voltage per verification scale interval	0.5 $\mu$ V
Measuring range minimum voltage	0 mV
Measuring range maximum voltage	16 mV
Fraction of maximum permissible error	$P_1 = 0.5$
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 <sup>2</sup> (6-wire configuration)

Software:

The software is held in firmware on the circuit board, and has the identification number "V1.xx", with xx reflecting non-legally relevant changes. The software version number is displayed at power-up.

Download of software is only possible by accessing the main board inside the sealed enclosure.

Access to the legally relevant parameters is prevented by a jumper on the main board.

Sealing:

Access to the electronics, access to the switch described in Software section and the load cell connection are sealed using a tamper-evident method.

Alternatives:

Having the instruments manufactured by the following companies:

CAS (Zhejiang) Electronics Co., Ltd  
99# Changjiang Road  
Jiashan County  
Zhejiang Province  
China