

	
OIML Member State United Kingdom of Great Britain and Northern Ireland	OIML Certificate No. R76/1992-A-GB1-18.01
OIML CERTIFICATE ISSUED UNDER SCHEME A	
OIML Issuing Authority	NMO Stanton Avenue Teddington TW11 0JZ United Kingdom
Person responsible:	Mannie Panesar – Head of Technical Services
Applicant	CAS Corporation #262, Geurugogae-ro Gwangjeok-myeon Yangju-si Gyeonggi-do Republic of Korea
Manufacturer	The applicant
Identification of the certified type	FW500 Series <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>OIML R 76-1, Edition: 1992</p> <p>For accuracy class: III</p>	
<p>Issue date: 24 October 2018</p> <p>The OIML Issuing Authority</p>  <p>Grégory Glas Technical Manager <i>For and on behalf of the Head of Technical Services</i></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. P02431-5 dated 24 October 2018 that includes 13 pages

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

No. P02431-5-D dated 24 October 2018

OIML Certificate History

Revision No.	Date	Description of the modification
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 FW500 Series comprises the FW500-C and FW500-E models, which are dual-interval, Class III, non-automatic weighing instruments.

The instruments are self-indicating and mains or battery-powered, and may be used for direct sales to the public.

Main features:

- Plastic construction
- Front LCD (FW500-C) or LED (FW500-E) displays with keypads
- Optional rear LCD (FW500-C) or LED (FW500-E) displays
- Stainless steel load receptor
- 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
- Stable weight indicator
- Semi-automatic subtractive tare balancing device
- Low battery indicator
- Hold function
- Gravity compensation
- Calibration / set-up mode via sealed internal switch

Interfaces:

- None

Load cell:

The load cell is a CAS load cell, model SW, capacities as in technical data.

Alternatively, 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:

Model	FW500-C6 FW500-E6	FW500-C15 FW500-E15	FW500-C30 FW500-E30
Max	3/6 kg	6/15 kg	15/30 kg
Min	20 g	40 g	100 g
e =	1/2 g	2/5 g	5/10 g
T	-2.999 kg	-5.998 kg	-14.995 kg
E _{max}	6 kg	15 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.

The temperature range for the instrument is from -10 °C to +40 °C.

The instruments operate on a 12 VDC power supply via a mains adaptor. The instrument may also operate on a 6 V 3.2Ah battery.

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 company:

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