

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

OIML Certificate No
R76/2006-GB1-14.06

OIML CERTIFICATE OF CONFORMITY

Issuing authority: **National Measurement Office**
Person responsible: **Paul Dixon – Director, Product Certification**
Applicant: **Chengdu Jiuzhou Electronic Information System Co., Ltd.
A2 Building
Tianfu Software Park
No.765
Mid Tianfu Street
Chengdu City
Sichuan Province
China**
Manufacturer: **The applicant**
Identification of the certified pattern: **ACS-RA11-15, ACS-RA11-30, ACS-RA12-15,
ACS-RA12-30, ACS-RA21-15, ACS-RA21-30,
ACS-RA22-15 and ACS-RA22-30
Price Computing Scales.**

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]

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.

The conformity was established by tests described in the associated pattern evaluation report P01203 which includes 13 pages

Issue Date: 03 December 2014
Reference No: TS1201/0084



**Signatory: G Stones
for Chief Executive**

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NMO is an Executive Agency of the Department for Business, Innovation & Skills



National
Measurement
Office

Characteristics of the instrument:

Description:

The Chengdu Jiuzhou Electronic Information System Co., Ltd. ACS-RA series of weighing instruments are Non-Automatic Weighing Instrument which are mains or battery powered, Class III, price-computing, stand-alone instrument intended for direct sales to the public. Maximum capacities are between 15 kg and 30 kg.

Metrological characteristics:

Model	Max	Min (20 e)	e	Divisions
ACS-RA11-15	6/15 kg	40 g	2/5 g	3 000
ACS-RA11-30	15/30 kg	100 g	5/10 g	3 000
ACS-RA12-15	6/15 kg	40 g	2/5 g	3 000
ACS-RA12-30	15/30 kg	100 g	5/10 g	3 000
ACS-RA21-15	6/15 kg	40 g	2/5 g	3 000
ACS-RA21-30	15/30 kg	100 g	5/10 g	3 000
ACS-RA22-15	6/15 kg	40 g	2/5 g	3 000
ACS-RA22-30	15/30 kg	100 g	5/10 g	3 000

Main features:

- Environmentally protected against dust, water and insects.
- LCD and LED displays available.
- High speed thermal printer.
- Die-cast chassis and plastic housing that contains the load cell and electronics.
- Stainless steel load receptor.
- Level indicator

Devices:

- Initial zero-setting
- Semi-automatic zero-setting
- Automatic zero-setting
- Zero-tracking
- Zero and tare indicator
- Net indicator
- Semi-automatic subtractive tare balancing/weighing
- Preset tare
- Price computing
- Price-labelling configuration, in which case printing below Min is not allowed

Interfaces:

- Power interface
- DB9 serial port
- RJ11 cashier box interface
- RJ45 Ethernet (wired or R.F. connectivity)
- USB interface

Load cell:

The scales approved under this certificate may use the following load cells:

Scale Model	Load Cell Models	Manufacturer	Max Capacity (kg)	E _{max} (kg)
ACS-RA11-15	L6D-C3-20 kg-0.4B	ZEMIC	20	30
ACS-RA11-30	L6D-C3-40 kg-0.4B	ZEMIC	40	60
ACS-RA12-15	L6D-C3-20 kg-0.4B	ZEMIC	20	30
ACS-RA12-30	L6D-C3-40 kg-0.4B	ZEMIC	40	60
ACS-RA21-15	L6D-C3-20 kg-0.4B	ZEMIC	20	30
ACS-RA21-30	L6D-C3-40 kg-0.4B	ZEMIC	40	60
ACS-RA22-15	L6D-C3-20 kg-0.4B	ZEMIC	20	30
ACS-RA22-30	L6D-C3-40 kg-0.4B	ZEMIC	40	60

Note:ZEMIC: Zhonghang Electronic Measuring Instruments Co., Ltd.

Power supply

The instrument is mains-powered, 110 / 240 V AC, 50 / 60 Hz. There are two options for when the instrument is being powered from a DC source;

- 12 V DC 5 Ah rechargeable lead acid battery.
- 11.1 V DC 4.4 Ah rechargeable Lithium Battery.

The instruments are fitted with a battery indicator, and an audible warning will sound when DC voltage drops to a minimum.

Software:

The software is held in firmware on the circuit board, and has the following identification version number used for verification purposes;

ACS-RA11: 410.1XX. XXX.XXX
ACS-RA12: 410.1XX. XXX.XXX
ACS-RA21: 410.1XX. XXX.XXX
ACS-RA22: 410.1XX. XXX.XXX

With XX.XXX.XXX reflecting non-legally relevant modifications, and is displayed on the function menu. Access to the setup/configuration mode is only allowed by operating a key on the keyboard and input the correct password. Access to the calibration mode is only allowed by operating a switch on the circuit board. Access to the switch should be secured and sealed by using a lead sealing.

Sealing:

The instrument is sealed by placing a tamper evident over the screws in the base prevents opening of the housing. Access to the test pin that allows calibration is prevented by a small plate having a seal over one of its fixing screws.

Certificate History

Issue №	Date	Description
R76/2006-GB1-14.06	03 December 2014	Certificate first issued
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