National Measurement Office Certification

UK 2883

V(0)a

EC type-approval certificate UK 2883 Revision 1

Issued by:

The National Measurement Office
Notified Body Number 0126

In accordance with the requirements of the Non-automatic Weighing Instruments Regulations 2000 (SI 2000/3236) which implement, in the United Kingdom, Council Directive 2009/23/EC, this EC type-approval certificate has been issued to:

CAS Corporation
#262, Geurugogae-ro
Gwangjeok-myeon
Yangju-si
Gyeonggi-do
Republic of Korea

In respect of a family of Class III non-automatic weighing instruments with single or dual-interval, utilising the CI-200 Series indicating devices (Test Certificate GB-1361) connected to a platform.

$n \leq$ 10,000 for Class III instruments with single or dual-interval

The necessary data (principal characteristics, alterations, securing, functioning etc) for identification purposes and conditions (when applicable) are set out in the descriptive annex to this certificate.

Issue Date: 19 February 2015
Valid Until: 18 April 2020
Reference No: T1127/0039

Signatory: G Stones
for Chief Executive

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UKAS PRODUCT CERTIFICATION 0135

National Measurement Office

Descriptive Annex

1 NAME AND TYPE OF INSTRUMENT

This family of instruments utilises the digital indicating devices designated the CI-200 Series connected to a weighing platform to form a Class III, mains adaptor or battery-powered, self-indicating, non-automatic weighing instrument (Figure 1).

2 FUNCTIONAL DESCRIPTION

The CI-200 Series indicators are fully described in Test Certificate GB-1361.

2.2 Load cells

The indicator can be connected to a weigh platform to form a complete weighing system. Any compatible load cell(s) may be used providing the following conditions are met:

- There is a respective OIML Certificate of Conformity (R60) or a test certificate (EN45501) issued for the load cell by a Notified Body responsible for type examination under Directive 2009/23/EC.
- The certificate contains the load cell types and the necessary load cell data required for the manufacturer's declaration of compatibility of modules (WELMEC 2, Issue 6, 2014, No 10), and any particular installation requirements. A load cell marked NH is allowed only if humidity testing to EN45501 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, contained in the above WELMEC 2 document, at the time of verification or declaration of EC conformity of type.
- The load cell transmission must conform to one of the examples shown in the WELMEC Guide 2.4, "Guide for Load cells".

3 TECHNICAL DATA

Technical data for the indicators is provided in the Test Certificate.

4 PERIPHERAL DEVICES AND INTERFACES

4.1 Interfaces

The instruments may have the following protected interface:

- RS232/485

4.2 The weighing system may be connected to any peripheral device that has been issued with a test certificate by a Notified Body responsible for type approval under Directive 2009/23/EC in any Member State and bear the CE marking of conformity to the relevant directives; or

A peripheral device without a test certificate under the following conditions:

- it bears the CE marking for conformity to the EMC Directive;
- it is not capable of transmitting any data or instruction into the weighing instrument, other than to release a printout, checking for correct data transmission or validation;
- it prints weighing results and other data as received from the weighing instrument without any modification or further processing; and
- it complies with the applicable requirements of EN45501, i.e. 4.2, 4.4, 4.6 and 4.7.

5 SOFTWARE

5.1 The software is as described in EC Test Certificate GB-1361.

6 APPROVAL CONDITIONS

The certificate is issued subject to the following conditions:

6.1 Legends and inscriptions

6.1.1 The instrument shall bear the following legends near the display of the weighing result:

Max
Min
e =
T (if ≠ - Max)

6.1.2 The instrument shall bear the following legends

CE mark
Green M
Accuracy class
Serial number
Manufacturer's mark or name
Certificate number

7 LOCATION OF SEALS AND VERIFICATION MARKS

7.1 The rating plate is located on the upper face of the indicator. The CE mark shall be impossible to remove without damaging it. The rating plate shall be impossible to remove without it being destroyed.

The markings and inscriptions shall fulfil the requirements of Paragraph 1 of Annex IV of the Directive 2009/23/EC.

7.2 Components that may not be dismantled or adjusted by the user are secured by either a wire and seal, or by a tamper evident label and securing mark. The securing mark may be either:

- a mark of the manufacturer and/or manufacturer's representative, or
- an official mark of a verification officer.

Figure 5 shows the sealing measures for the indicator (electronics and calibration switch). Figure 6 shows the load cell connection sealing measure when using an external connector.

8 ALTERNATIVES

8.1 Having the instruments manufactured by the following companies:

Shanghai CAS Electronics Co., Ltd,
Maixinroad 448, Xinqiaozhen, Songjiangqu,
Shanghai, China

CAS Elektronik San. Tic. A.S.
Yukari Dudulu, Bostanci Cad. Mevdudi Sokak No: 34
Umraniye-Istanbul / Turkey

CAS (Zhejiang) Electronics Co., Ltd.
Building NO.99, Changjiang Road, Huimin Street
Jiashan County, Zhejiang Province
China

9 ILLUSTRATIONS

Figure 1 CI-200A
Figure 2 CI-201A
Figue 3 CI-200S
Figure 4 CI-200SC
Figure 5 Indicator sealing measures
Figure 6 Load cell sealing measure

CERTIFICATE HISTORY

ISSUE NO.	DATE	DESCRIPTION
UK 2883	19 April 2010	Type approval first issued.
UK 2883 rev 1	19 February 2015	Section 5.1 modified to refer to GB-1361 only. Sealing measures added to section 7.2 CAS (Zhejiang) Electronics Co., Ltd. added to section 8.1.

Figure 1 CI-200A

Figure 2 CI-201A

Figure 3 CI-200S

Figure 4 CI-200SC

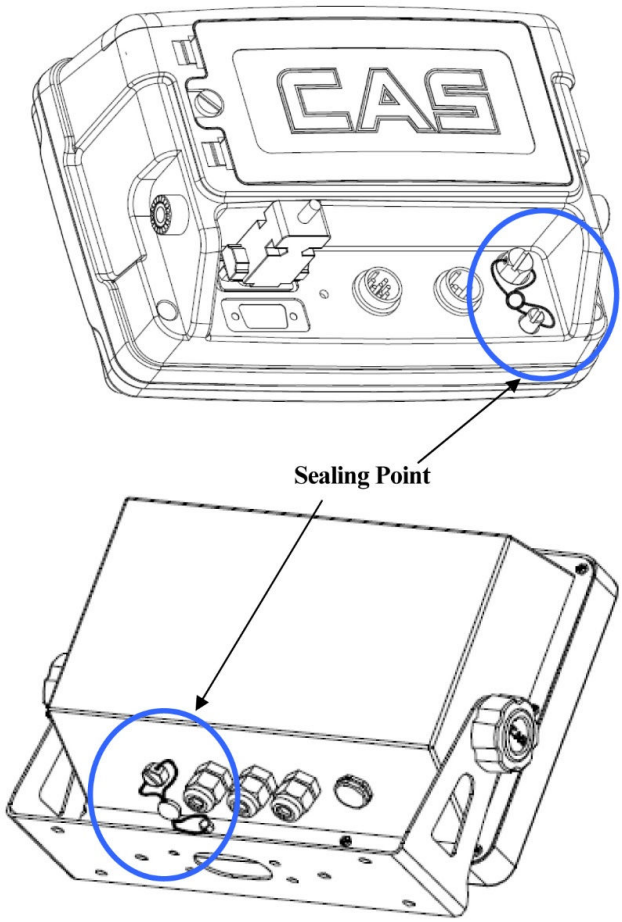

Figure 5 Indicator sealing measures

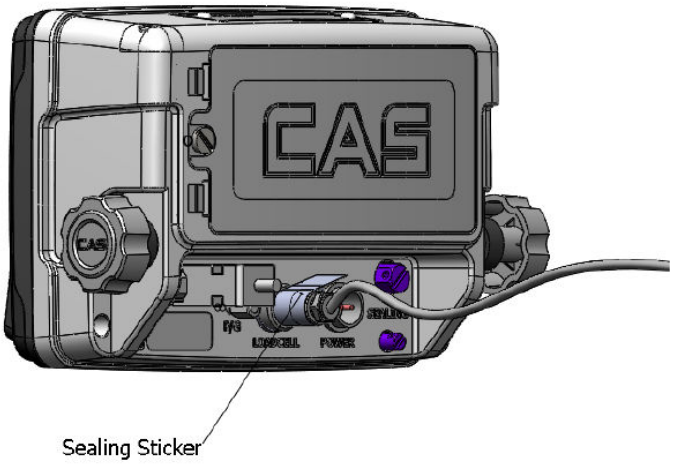

Figure 6 Load cell sealing measure