National Measurement Office Certification

UK/2938

V(0)a

EC Type-Approval Certificate UK/2938

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:

Hottinger Baldwin Messtechnik GmbH
Im Tiefen See 45
D-64293 Darmstadt
GERMANY

in respect of a non-automatic weighing instrument designated the WE2111, utilising a digital indicator, and having the following characteristics:

n ≤ 10,000 for single/dual interval/range, Class III

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: 15 July 2013
Valid Until: 14 July 2023
Reference №: TS1201/0040

Signatory: G Stones
for Chief Executive

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The National Measurement Office is an Executive Agency of the Department for Business, Innovation and Skills

UKAS PRODUCT CERTIFICATION 0135

National Measurement Office

Descriptive Annex

1 NAME AND TYPE OF INSTRUMENT

This non-automatic weighing instrument, designated the WE2111, utilises a digital indicator and is designed to be used as part of a single/dual interval/range Class III non-automatic weighing instrument. The indicator is self-indicating and DC or mains-powered.

2 FUNCTIONAL DESCRIPTION

2.1 Construction and devices

The digital weight indicator is fully described in Test Certificate GB-1470.

2.2 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) 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 5, 2009, No 11), 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

3.1 Technical data for the indicator is provided in Test Certificate GB-1470.

4 PERIPHERAL DEVICES AND INTERFACES

4.1 Interfaces

The instrument may have the following interface type:

- 6-wire load cell connection
- DC voltage input
- 2 x RS-232
- RS-485
- Control inputs/outputs
- 2 x USB (host and slave)
- 2 x UARTS
- 2 x IIC (optional accessory)
- Ethernet

4.2 Peripheral devices

4.2.1 The following peripheral devices may be connected to the interfaces provided:

- Peripheral devices that have been issued with a test certificate by a Notified Body responsible for type approval under Directive 2009/23/EC; or
- Peripheral devices 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;
  - it complies with the applicable requirements of EN45501, i.e. 4.2, 4.4, 4.6 and 4.7.

A printing device may print additional information such as date or number to identify the printed weighing result(s) or sets of weighing results.

5 APPROVAL CONDITIONS

This certificate is issued subject to the following conditions:

5.1 Legends and inscriptions

5.1.1 The display bears the following legends on or near the display:

Max1	Max2
Min1	Min2
e1 =	e2 =

5.1.2 The instrument shall bear the following legends:

Accuracy class
CE marking
Green M
Serial number
Manufacturer's mark or name
Certificate number
[any other relevant markings, e.g. temperature, tare]

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

6 LOCATION OF SEALS AND VERIFICATION MARKS

6.1 The data plate is secured, either by sealing or by being of a form such that it is destroyed when removed.

6.2 Components that may not be dismantled or adjusted by the user must be secured. Common serial numbers, a wire and seal solution or a suitable mark may be used. The securing mark may be either:

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

6.3 Verification marks and CE-marking shall be grouped together.

6.4 When software sealing is used, the change log counters' values shall be written on a tamper-evident label on or near the rating plate.

7 ALTERNATIVES

There are currently no authorised alternatives.

8 ILLUSTRATIONS

Figure 1 WE2111 digital indicator

CERTIFICATE HISTORY

Issue №.	Date	Description
UK 2938	15 July 2013	Type approval first issued.

Figure 1 WE2111 digital indicator