

# (1) EC-TYPE EXAMINATION CERTIFICATE

## (2) Equipment and protective systems intended for use in potentially explosive atmospheres - Directive 94/9/EC

(3) EC-Type Examination Certificate Number: **KEMA 09ATEX0126** Issue Number: 1

(4) Equipment: **Paint Mixing Scale Model BBA242x**

(5) Manufacturer: **Mettler-Toledo (Changzhou) Measurement Technology Ltd.**

(6) Address: **No. 111, West Taihu Road, Xinbei District, Changzhou City, Jiangsu Province, China**

(7) This equipment and any acceptable variation thereto is specified in the schedule to this certificate and the documents therein referred to.

(8) KEMA Quality B.V., notified body number 0344 in accordance with Article 9 of the Council Directive 94/9/EC of 23 March 1994, certifies that this equipment has been found to comply with the Essential Health and Safety Requirements relating to the design and construction of equipment and protective systems intended for use in potentially explosive atmospheres given in Annex II to the directive.

The examination and test results are recorded in confidential test report number NL/KEM/ExTR09.0049/00.

(9) Compliance with the Essential Health and Safety Requirements has been assured by compliance with:

**EN 60079-0 : 2006**

**EN 60079-11 : 2007**

(10) If the sign "X" is placed after the certificate number, it indicates that the equipment is subject to special conditions for safe use specified in the schedule to this certificate.

(11) This EC-Type Examination Certificate relates only to the design, examination and tests of the specified equipment according to the Directive 94/9/EC. Further requirements of the directive apply to the manufacturing process and supply of this equipment. These are not covered by this certificate.

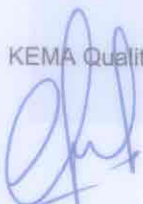
(12) The marking of the equipment shall include the following:



**II 2 G Ex ib IIB T4**

This certificate is issued on August 18, 2009 and, as far as applicable, shall be revised before the date of cessation of presumption of conformity of (one of) the standards mentioned above as communicated in the Official Journal of the European Union.

KEMA Quality B.V.



C.G. van Es  
Certification Manager



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Experience you can trust.

(13) **SCHEDULE**

(14) **to EC-Type Examination Certificate KEMA 09ATEX0126**

Issue No. 1

(15) **Description**

The Paint Mixing Scale Model BBA242x consist of a metal weighing base and a plastic display which is either directly attached to the base with a stand or is seperately connected with a cable.

Ambient temperature range 0 °C to +40 °C.

**Electrical data**

For connection details and electrical data, refer to the installation drawing 72227513A.

**Installation instructions**

The instruction manual and the installation drawing 72227513A shall be followed in detail to assure proper and safe operation.

(16) **Test Report**

KEMA No. NL/KEM/ExTR09.0049/00.

(17) **Special conditions for safe use**

None.

(18) **Essential Health and Safety Requirements**

Covered by the standards listed at (9).

(19) **Test documentation**

As listed in Test Report No. NL/KEM/ExTR09.0049/00.

**(1) TYPE EXAMINATION CERTIFICATE****(2) Equipment and protective systems intended for use in potentially explosive atmospheres - Directive 94/9/EC**

(3) Type Examination Certificate Number: **KEMA 09ATEX0127 X** Issue Number: 1

(4) Equipment: **Paint Mixing Scale Model BBA242xx**

(5) Manufacturer: **Mettler-Toledo (Changzhou) Measurement Technology Ltd.**

(6) Address: **No. 111, West Taihu Road, Xinbei District, Changzhou City, Jiangsu Province, China**

(7) This equipment and any acceptable variation thereto is specified in the schedule to this certificate and the documents therein referred to.

(8) KEMA Quality B.V. certifies that this equipment has been found to comply with the Essential Health and Safety Requirements relating to the design and construction of equipment and protective systems intended for use in potentially explosive atmospheres given in Annex II to the directive.

The examination and test results are recorded in confidential test report no. NL/KEM/ExTR09.0049/00.

(9) Compliance with the Essential Health and Safety Requirements has been assured by compliance with:

**EN 60079-0 : 2006**

**EN 60079-15 : 2005**

(10) If the sign "X" is placed after the certificate number, it indicates that the equipment is subject to special conditions for safe use specified in the schedule to this certificate.

(11) This Type Examination Certificate relates only to the design, examination and tests of the specified equipment and not to the manufacturing process and supply of this equipment.

(12) The marking of the equipment shall include the following:



**II 3 G Ex nL IIB T4**

This certificate is issued on August 18, 2009 and, as far as applicable, shall be revised before the date of cessation of presumption of conformity of (one of) the standards mentioned above as communicated in the Official Journal of the European Union.

KEMA Quality B.V.



C.G. van Es  
Certification Manager



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Experience you can trust.

(13) **SCHEDULE**

(14) **to Type Examination Certificate KEMA 09ATEX0127 X**

Issue No. 1

(15) **Description**

The Paint Mixing Scale Model BBA242xx consist of a metal weighing base and a plastic display which is either directly attached to the base with a stand or is seperately connected with a cable.

Ambient temperature range +5 °C to +40 °C.

**Electrical data**

For connection details and electrical data, refer to the installation drawing 72227514A.

**Installation instructions**

The instruction manual and the installation drawing 72227514A shall be followed in detail to assure proper and safe operation.

(16) **Test Report**

KEMA No. NL/KEM/ExTR09.0049/00.

(17) **Special conditions for safe use**

1. The scale shall be installed in such a way that there is a low risk of mechanical danger for the plastic parts of the enclosure and the display window.
2. The plastic surfaces must not be wiped clean or rubbed in a hazardous area to avoid the ignition danger caused by electrostatic charges.
3. Indoor use only. Not allowed to be exposed to sunlight, or other source of UV radiation
4. The scale may only be used in a dust free, dry environment (IP4X by location).

(18) **Essential Health and Safety Requirements**

Covered by the standards listed at (9).

(19) **Test documentation**

As listed in Test Report No. NL/KEM/ExTR09.0049/00.



# IECEX Certificate of Conformity

## INTERNATIONAL ELECTROTECHNICAL COMMISSION IEC Certification Scheme for Explosive Atmospheres

for rules and details of the IECEx Scheme visit [www.iecex.com](http://www.iecex.com)

Certificate No.:  issue No.:  Certificate history:

Status:

Date of Issue:  Page 1 of 3

Applicant: **Mettler-Toledo (Changzhou) Measurement Technology Ltd.**  
No. 111, West Taihu Road, Xinbei District, Changzhou City, Jiangsu Province  
China

Electrical Apparatus: **Paint Mixing Scale Model BBA242x and Model BBA242xx**  
Optional accessory:

Type of Protection: **Ex i, Ex nL**

Marking: **Ex ib IIB T4  
Ex nL IIB T4**


Approved for issue on behalf of the IECEx  
Certification Body:

C.G. van Es

Position:

Certification Manager

Signature:  
(for printed version)

  
\_\_\_\_\_

Date:

2009-08-18

1. This certificate and schedule may only be reproduced in full.
2. This certificate is not transferable and remains the property of the issuing body.
3. The Status and authenticity of this certificate may be verified by visiting the Official IECEx Website.

Certificate issued by:

**KEMA Quality B.V.**  
Utrechtseweg 310  
6812 AR Arnhem  
The Netherlands





# IECEX Certificate of Conformity

Certificate No.: IECEx KEM 09.0048X

Date of Issue: 2009-08-18

Issue No.: 0

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Manufacturer: **Mettler-Toledo (Changzhou) Measurement Technology Ltd.**  
No. 111, West Taihu Road, Xinbei District, Changzhou City, Jiangsu Province  
**China**

Manufacturing location(s):

This certificate is issued as verification that a sample(s), representative of production, was assessed and tested and found to comply with the IEC Standard list below and that the manufacturer's quality system, relating to the Ex products covered by this certificate, was assessed and found to comply with the IECEx Quality system requirements. This certificate is granted subject to the conditions as set out in IECEx Scheme Rules, IECEx 02 and Operational Documents as amended.

#### STANDARDS:

The electrical apparatus and any acceptable variations to it specified in the schedule of this certificate and the identified documents, was found to comply with the following standards:

<b>IEC 60079-0 : 2004</b> Edition: 4.0	Electrical apparatus for explosive gas atmospheres - Part 0: General requirements
<b>IEC 60079-11 : 2006</b> Edition: 5	Explosive atmospheres - Part 11: Equipment protection by intrinsic safety "I"
<b>IEC 60079-15 : 2005-03</b> Edition: 3	Electrical apparatus for explosive gas atmospheres Part 15: Construction, test and Marking of Type of Protection "n" electrical apparatus

*This Certificate **does not** indicate compliance with electrical safety and performance requirements other than those expressly included in the Standards listed above.*

#### TEST & ASSESSMENT REPORTS:

*A sample(s) of the equipment listed has successfully met the examination and test requirements as recorded in*

Test Report:

NL/KEM/ExTR09.0049/00

Quality Assessment Report:

CN/CQM/QAR07.0004/01



# IECEx Certificate of Conformity

Certificate No.: IECEx KEM 09.0048X

Date of Issue: 2009-08-18

Issue No.: 0

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## Schedule

### EQUIPMENT:

*Equipment and systems covered by this certificate are as follows:*

#### Description

The Paint Mixing Scales Model BBA242x (Ex ib) and Model BBA242xx (Ex nL) consist of a metal weighing base and a plastic display which is either directly attached to the base with a stand or is separately connected with a cable.

Ambient temperature range:

Type of protection Ex ib: 0 °C to +40 °C

Type of protection Ex nL: +5 °C to +40 °C

#### Electrical data

For connection details and electrical data, refer to the installation drawing 72227513A (Ex ib) or 72227514A (Ex nL).

#### Installation instructions

The instruction manual and the installation drawing 72227513A (Ex ib) or 72227514A (Ex nL) shall be followed in detail to assure proper and safe operation.

### CONDITIONS OF CERTIFICATION: YES as shown below:

For type of protection Ex nL:

1. The scale shall be installed in such a way that there is a low risk of mechanical danger for the plastic parts of the enclosure and the display window.
2. The plastic surfaces must not be wiped clean or rubbed in a hazardous area to avoid the ignition danger caused by electrostatic charges.
3. Indoor use only. Not allowed to be exposed to sunlight, or other source of UV radiation
4. The scale may only be used in a dust free, dry environment (IP 4X by location).