IECEx Certificate
of Conformity

INTERNATIONAL ELECTROTECHNICAL COMMISSION
IEC Certification System for Explosive Atmospheres

for rules and details of the IECEx Scheme visit www.iecex.com

Certificate No.:	**IECEx FMG 19.0030X**	Page 1 of 3	Certificate history:
Status:	**Current**	Issue No: 0	
Date of Issue:	2019-11-01		

Applicant: **Mettler-Toledo GmbH.**
Im Langacher44
CH-8606 Greifensee
Switzerland

Equipment: **RPA455x and RPA455xx Paint Mixing Scale**

Optional accessory:

Type of Protection: **Ex ib, Ex ic**

Marking: Ex ib IIB T4 (RPA455x)

Ex ic IIB T4 (RPA455xx)

Approved for issue on behalf of the IECEx
Certification Body:

J. E Marquedant

Position:

VP, Manager - Electrical Systems

Signature:
(for printed version)

Date:

J. E Marquedant
14 November 2019

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 www.iecex.com or use of this QR Code.

FM Approvals

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Manufacturer: **Mettler-Toledo GmbH**
Im Langacher44
CH-8606 Greifensee
Switzerland

Additional manufacturing locations: **Mettler-Toledo (Changzhou) Measurement Technology Ltd.**
No. 111, West Taihu Road
Changzhou city, Jiangsu Provicence
P.R.China.

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 equipment 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

IEC 60079-0:2017
Edition:7.0

Explosive atmospheres - Part 0: Equipment - General requirements

IEC 60079-11:2011
Edition:6.0

Explosive atmospheres - Part 11: Equipment protection by intrinsic safety "i"

This Certificate **does not** indicate compliance with 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:

US/FMG/ExTR19.0027/00

Quality Assessment Report:

NL/DEK/QAR11.0008/07

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EQUIPMENT:
Equipment and systems covered by this Certificate are as follows:

RPA455x and RPA455xx Paint Mixing Scale

Pin #s	Name/ Remark					
		Ui	Ii	Pi	Ci	Li
1	+ V1 (P1)	10.72V	191mA	2.048W	5.324uF	0
4	+ V2 (P2)	10.72V	213mA	2.284W	10.725uF	0
7, 8	RS232_TXD/RXD	± 10.72V	191mA	275mW	1.41nF	0
		Uo	Io	Po	Co	Lo
7, 8	RS232_TXD/RXD	± 10.72V	21.7mA	58.1mW	0.18uF	180uH
2, 3, 5, 6	Ground Pins					

SPECIFIC CONDITIONS OF USE: YES as shown below:

1. Only the Mettler-Toledo intrinsically safe cable 30470188 (20 Meters) or 30470195 (10 Meters) shall be used for connection to the intrinsically safe outputs of the associated apparatus.
2. The enclosure contains aluminum and is considered to present a potential risk of ignition by impact or friction. Care must be taken during installation and use to prevent impact or friction.
3. Parts of the enclosure are constructed of plastic. The risk of electrostatic discharge shall be minimized at installation, following the direction given in the instruction manual.
4. The Paint Mixing Scale does not withstand a 500Vrms dielectric strength test between the circuits and the earth ground. This must be taken into account during installation