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

Certificate No.: IECEx DEK 18.0022X

Issue No: 0

Certificate history:
Issue No. 0 (2019-06-06)

Status: **Current**

Date of Issue: **2019-06-06**

Applicant: **Mettler-Toledo GmbH**
Im Langacher 44, CH-8606 Greifensee
Switzerland

Equipment: **ACT350xx Weight Transmitter**

Optional accessory:

Type of Protection: **Ex nA, Ex ec**

Marking:

Ex ec IIC T4 Gc
Ex nA IIC T4 Gc

Approved for issue on behalf of the IECEx Certification Body: R. Schuller

Position: Certification Manager

Signature:
(for printed version)

Date:

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:

DEKRA Certification B.V.
Meander 1051,
6825 MJ Arnhem
The Netherlands

IECEx Certificate of Conformity

Certificate No:	IECEx DEK 18.0022X	Issue No: 0
Date of Issue:	**2019-06-06**	Page 2 of 3
Manufacturer:	**Mettler-Toledo LLC** Im Langacher 44, CH-8606 Greifensee **Switzerland**	

Additional Manufacturing location(s):

Mettler-Toledo (Changzhou) Measurement Technology Ltd.
No. 111, West Taihu Road,
Xinbei District
Changzhou, Jiangsu 213125
China

Mettler-Toledo (Changzhou) Precision Instrument Ltd.
No 22, Zhengiang Road,
Xinbei District
Changzhou, Jiangsu 213125
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 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:

IEC 60079-0 : 2017 Edition:7.0	Explosive atmospheres - Part 0: Equipment - General requirements
IEC 60079-15 : 2010 Edition:4	Explosive atmospheres - Part 15: Equipment protection by type of protection "n"
IEC 60079-7 : 2017 Edition:5.1	Explosive atmospheres - Part 7: Equipment protection by increased safety "e"

*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/DEK/ExTR18.0063/00

Quality Assessment Report:

NL/DEK/QAR11.0008/07

IECEx Certificate of Conformity

Certificate No:	IECEx DEK 18.0022X	Issue No: 0
Date of Issue:	2019-06-06	Page 3 of 3

Schedule

EQUIPMENT:

Equipment and systems covered by this certificate are as follows:

The ACT350xx weight transmitter consists of the ACT350xx Analog and ACT350xx POWERCELL versions providing Ex ec and Ex nA protection. The ACT350xx weight transmitter is designed to be connected to load cells certified for use in EPL Gc.

The ACT350xx Analog version supports one channel to accommodate either a 4-wire or 6-wire strain gage type load cell with excitation voltage of 5 V.

The ACT350xx POWERCELL version can be used to connect to Mettler-Toledo's POWERCELL serial digital load cells (e.g. POWERCELL PDX POWERCELL SLB615D, etc.) with a supply voltage of 12 Vdc to the load cell.

Each version has three different interfaces resulting in a total of six variations of the product.

For details on the nomenclature, thermal data and electrical data see Annex 1 to this certificate.

SPECIFIC CONDITIONS OF USE: YES as shown below:

The equipment shall only be used in an area of at least pollution degree 2, as defined in IEC 60664-1.

The equipment shall be installed in an enclosure that provides a minimum ingress protection of IP54 in accordance with IEC 60079-0.

Provisions shall be made to prevent the rated voltage from being exceeded by transient disturbances of more than 119 V.

Annex:

382064100-Annex-1.pdf

Annex 1 to: Certificate of Conformity IECEx DEK 18.0022X
Type Examination Certificate DEKRA 18ATEX0036 X, Issue 0
Report NL/DEK/ExTR18.0063/00

Note: In this document [.] is used as decimal separator.

Type designation

ACT350	**xx**	**POWERCELL**	**DIN**	**ETIP**
I	II	III	IV	V

Designation	Explanation	Value	Explanation
I	Model	ACT350	Weight transmitter
II	Hazardous Version	xx	Hazardous
III	Product Type	- POWERCELL	Analog load cell Digital load cell
IV	Installation Type	DIN	Din-rail mounted
V	Connectivity	PBDP PRNT ETIP	Profibus interface Profinet interface EtherNet/IP interface

Thermal data

Ambient temperature range: -10 °C to +40 °C

Electrical data

ACT350xx: 12 – 30 Vdc (24 Vdc nominal), 0.5 A
ACT350xx POWERCELL: 12 Vdc, 2 A

DEKRA Certification B.V. Meander 1051, 6825 MJ Arnhem P.O. Box 5185, 6802 ED Arnhem The Netherlands
T +31 88 9683000 F +31 88 9683100 www.dekra-product-safety.com Registered Arnhem 09085396