

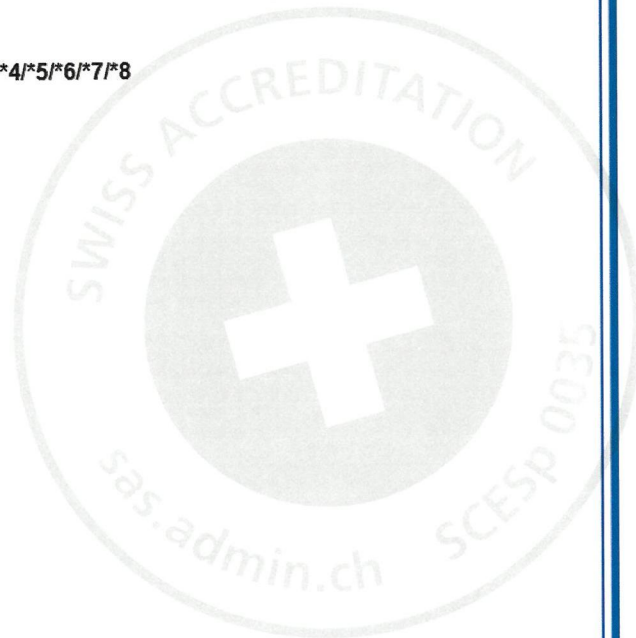


IECEX Certificate of Conformity

INTERNATIONAL ELECTROTECHNICAL COMMISSION IEC Certification System for Explosive Atmospheres

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

Certificate No.: **IECEX SEV 19.0014X** Page 1 of 4 [Certificate history:](#)
Status: **Current** Issue No: 0
Date of Issue: 2020-10-12
Applicant: **Mettler-Toledo GmbH**
Process Analytics
Im Hardacker 15
8902 Urdorf
Switzerland
Equipment: **Armature InTrac7xx/*1/*2/*3/*4/*5/*6/*7/*8 InFit7xx/*1/*2/*3/*4/*5/*6/*7/*8**
Optional accessory:
Type of Protection: **"h"**
Marking: **Ex h IIC T6...T3 Ga/Gb**
Ex h IIIC T69 °C...T131 °C Da/Db (InTrac) respective
Ex h IIIC T69 °C...T141 °C Da/Db (InFit)



Approved for issue on behalf of the IECEx
Certification Body:

Martin Plüss

Position:

Manager Product Certification

Signature:
(for printed version)

Date:

2020-10-12

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.



Certificate issued by:

Eurofins Electric & Electronic Product Testing AG
Luppenstrasse 3
CH-8320 FEHRALTORF
Switzerland



E&E



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Page 2 of 4

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Manufacturer: **Mettler-Toledo GmbH**
Process Analytics
Im Hardacker 15
8902 Urdorf
Switzerland

Additional manufacturing locations: **Exner Process Equipment GmbH**
Carl-Metz Strasse 26
76275 Ettlingen
Germany

Mettler-Toledo (Albstadt) GmbH
Unter dem Malesfelsen 34
72458 Albstadt
Germany

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

ISO 80079-36:2016 Explosive atmospheres - Part 36: Non-electrical equipment for explosive atmospheres - Basic methods and requirements
Edition:1.0

ISO 80079-37:2016 Explosive atmospheres - Part 37: Non-electrical equipment for explosive atmospheres - Non electrical type of protection constructional safety "c", control of ignition source "b", liquid immersion "k"
Edition:1.0

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:

[CH/SEV/ExTR19.0015/00](#)

Quality Assessment Report:

[CH/SEV/QAR12.0004/06](#)



IECEx Certificate of Conformity

Certificate No.: **IECEx SEV 19.0014X**

Page 3 of 4

Date of issue: 2020-10-12

Issue No: 0

EQUIPMENT:

Equipment and systems covered by this Certificate are as follows:

Armature

InTrac7xx/*1/*2/*3/*4/*5/*6/*7/*8

InFit7xx/*1/*2/*3/*4/*5/*6/*7/*8

SPECIFIC CONDITIONS OF USE: YES as shown below:

1. The housings with pneumatic actuation position of the sensors with electrical feedback signal may be operated in hazardous areas also with separately certified intrinsically safe inductive proximity switches – g.Pepperl + Fuchs types NCB2 ***- if the gas groups and temperature classes coincide with the used flammable substances and the special conditions of the Certificates are observed

2. The maximum permissible ambient or process temperatures for Zone 0 (flammable gases or flammable liquids) shall be taken according to the following table:

Temperature class TX	Maximum ambient respectively process temperature.
T6	68 °C
T5	80 °C
T4	108 °C
InTrac T3	130 °C
InFit T3	140 °C

The maximum permissible ambient or process temperatures must not exceed the aforementioned values and they can be found in the instructions clause Product specifications.

3. The maximum permissible surface temperature for zone 20 (combustible dust) shall be taken according to the following table:

Surface temperature TX	Maximum ambient respectively process temperature.
T69 °C	68 °C
T81 °C	80 °C
T109 °C	108 °C
InTrac T131 °C	130 °C
InFit T141 °C	140 °C

The maximum permissible ambient or process temperatures must not exceed the aforementioned values and they can be found in the instructions clause Product specifications.

4. All metallic parts of the housing type InTrac7xx/*1/*2/*3/*4/*5/*6/*7/*8 respectively InFit7xx/*1/*2/*3/*4/*5/*6/*7/*8 have to be connected conductively to the equipotential system of the plant.

5. The housing type InTrac7xx/*1/*2/*3/*4/*5/*6/*7/*8 respectively InFit7xx/*1/*2/*3/*4/*5/*6/*7/*8 are included in the periodic pressure testing of the system, where appropriate

6. WARNING – POTENTIAL ELECTROSTATIC CHARGING HAZARD – by installation, use and maintenance work, see instruction manual

7. The housings made of titanium must be installed adequately protected against impact and friction sparks.



IECEX Certificate of Conformity

Certificate No.: **IECEX SEV 19.0014X**

Page 4 of 4

Date of issue: 2020-10-12

Issue No: 0

Equipment (continued):

The housings type InTrac7xx/*1/*2/*3/*4/*5/*6/*7/*8 or InTrac7xx/*1/*2/*3/*4/*5/*6/*7/*8 are the interface between the client process that takes place in the tank or in the pipe and the probe.

The housing provides the possibility of adaption to the tank connection, respectively to the pipe (for example, flange 25 mm INGOLD fitting, etc.). The sensor is screwed with a standard thread of Pg 13.5 into the housing which additionally provides a mechanical protection to the sensor.

The pH-electrode, O₂ probes, CO₂ probes, turbidity probes and conductivity probes may be installed into the housing.

„Retractable“ (retractable housings) InTrac7**

The sensor can be pulled back during running process and can be serviced, the housing closes completely the process, when the sensor is in the pulling back position.

