



(1) **EU-Type Examination Certificate**

- (2) Equipment or protective system intended for use in potentially explosive atmospheres - **Directive 2014/34/EU**
- (3) Certificate number: **SEV 13 ATEX 0161 X**
- (4) Product: Armature
Type InTrac7xx/*1/*2/*3/*4/*5/*6/*7/*8, InFit7xx/*1/*2/*3/*4/*5/*6/*7/*8
- (5) Manufacturer: Mettler-Toledo GmbH
- (6) Address: Im Hackacker 15, 8902 Urdorf, Switzerland
- (7) The equipment and any acceptable variation thereto is specified in the schedule to this certificate and the documents therein referred to.
- (8) Eurofins, notified body No. 1258, in accordance with article 17 of Directive 2014/34/EU of the European parliament and of the council, dated 26 February 2014, certifies that this product has been found to comply with the essential health and safety requirements relating to the design and construction of products intended for use in potentially explosive atmospheres given in Annex II to the Directive.
The examination and test results are recorded in confidential report no 19-Ex-0032.X04
- (9) Compliance with the essential health and safety requirements has been assured by compliance with:

EN ISO 80079-36:2016
EN ISO 80079-37:2016

Except in respect of those requirements listed at item 18 of the schedule.

- (10) If the sign «X» is placed after the certificate number, it indicates that the product is subjected to special conditions for safe use specified in the schedule to this certificate. The sign “U” is placed after the certificate number. It indicates that this certificate must not be mistaken for a certificate intended for an equipment or protective system. This partial certification may be used as a basis for certification of an equipment or protective system.
- (11) This EU type examination certificate relates only to design and construction of the specified product. Further requirements of this directive apply to the manufacturing process and supply of this product. These are not covered by this certificate.
- (12) The marking of the product shall include the following:

 II 1/2 G Ex h IIC T6...T3 Ga/Gb
II 1/2 D Ex h IIIC T69 °C...T131 °C Da/Db (InTrac) respective
II 1/2 D Ex h IIIC T69 °C...T141 °C Da/Db (InFit)

Eurofins Electric & Electronic Product Testing AG
Notified Body ATEX

Martin Plüss
Product Certification

(13)

Appendix

(14)

EU-Type Examination Certificate no.SEV 13 ATEX 0161 X

(15) **Description of product**

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.

There are two families of housings:

Static housings InFit76*

The electrode is fixed in the process

The tank or pipe must be emptied in order to dismantle the sensor

„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.

Ratings:

maximum permissible pressure ≤ 16.0 bar
maximum permissible temperature ≤ 140 °C

Classification of installation and use:

stationary

Ingress protection:

IP6X

Rated ambient temperature range (°C):

See special conditions for safe use

Rated ambient temperature range (°C)

for Ex Components

N/A

(16) **Specific conditions of use**

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 – e.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.

(17) **Essential health and safety requirements**

In addition to the essential health and safety requirements (EHSRs) covered by the standards listed at item 9, the following are considered relevant to this product, and conformity is demonstrated in the report:

Clause	Subject
None	

(18) **Drawings and Documents**

See test report "Manufacturer's Documents"