



SZUTEST Uygunluk Değerlendirme A.Ş. / İstanbul - Türkiye
Onaylanmış Kuruluş 2195



(1) **EU-TYPE EXAMINATION CERTIFICATE
(Annex III – Module B)**

(2) Equipment or protective system intended for use in potentially explosive atmospheres — Directive 2014/34/EU

(3) EU-Type Examination Certificate Number: **2195 22 ATEX 003 X**

(4) Equipment or Protective System : **FLOAT LEVEL TRANSMITTER**
Model No: **FLT-A**

(5) Manufacturer/Applicant: **FILPRO SENSORS PRIVATE LIMITED**

(6) Manufacturer/Applicant Address: **No.130,10th Cross, Petechannappa Industrial Estate, Kamakshipalya, Magadi Main Road, Bangalore - 560 079.**

(7) This equipment or protective system and/or any acceptable variation there to is specified in the schedule to this certificate and the documents there in referred to.

(8) Szutest Uygunluk Değerlendirme A.Ş Notified Body number 2195 in accordance with Article 17 of Directive 2014/34/EU of the European Parliament of the Council, dated 26 February 2014, certifies that this equipment has been found to comply with the Essential Health and Safety Requirements relating to the design and construction of equipment or protective system intended for use in potentially explosive atmospheres given in Annex II of the Directive. The examination and test results are recorded in the confidential documentation under the reference number.
Report No: SZU-22075UR03-Rev00
Date: 16.03.2022

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

EN 60079-0:2018, EN 60079-1:2014, EN 60079-11:2012, EN 60079-26:2015

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

(11) This EU-Type examination certificate relates only to the design and construction of the specified equipment or protective equipment in the scope of 2014/34/EU Annex III. Future requirements of the Directive apply to the production process and the provision of equipment or protective system. These are not discussed in this certificate.

(12) Marking of the equipment or protective system must include the following;



II 1G Ex ia IIB T4 Ga/ II 2G Ex db IIB T4 Gb

Yayın Tarihi : 18.04.2022
Issue Date

Revizyon Tarihi/No: 00
Revision Date



Rukiye BALKAN
Genel Müdür Yardımcısı
Deputy General Manager



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(13) ANNEX

(14) EU-Type Examination Certificate Number: 2195 22 ATEX 003 X

(15) Description of Equipment and/or Protective System: the device is used for continuous Level monitoring in Water, Diesel, chemicals, and Oils for accurate level Measurement. The structure is an intrinsically safe stem providing EPL Ga with a temperature class T4 connected to a flameproof compartment providing EPL Gb suitable for temperature class T4 containing electronics. Float Level Transmitter consists of a non-magnetic sealed stem containing a series of reed switches and resistors.

Models, Serial No: FLT-A

Model	Level guide length (mm)	Sensing device	Maximum surface Temperature	Cable cross sectional area(mm ²)
FLT-A	300-5000	Reed switch	T4	0.22

Ratings:

Rated voltage: Max 30 Vdc
Rated current: $30\text{mA} \leq I_i \leq 120\text{mA}$

Safety Ratings:

$U_i: 30\text{Vdc}$, $I_i: 120\text{mA}$, $P_i: 0.84\text{W}$, $L_i: 10\text{µH}$, $C_i: 1.0\text{nF}$

Output Parameters from terminal head to stem:

$U_o: 30\text{Vdc}$, $I_o: 8\text{mA}$, $P_o: 60\text{mW}$, $L_i: 35\text{mH}$, $C_o: 66\text{nF}$

Ambient temperature and temperature class:

The ambient temperature and temperature classe of whole device are the following:
T4 with ambient temperature range $T_a = -40^\circ\text{C}$ to $+60^\circ\text{C}$ as below table:

Degree of protection (IP code):

The equipment was verified for an IP66 ingress rating.

Warnings:

"WARNING – DO NOT OPEN WHEN AN EXPLOSIVE ATMOSPHERE IS PRESENT"

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(16.2) **Routine Test:**
None

16.3) Installation conditions:

The equipment is foreseen to be installed in locations where there are environmental conditions, as clearly specified in clause 1 of EN 60079-0. Installation and use in atmospheric and environmental conditions that are out of the above-mentioned intervals request special considerations and additional measures by the side of the installer or user.

These should be specified to the manufacturer by the user;

Installation of equipment shall be done according to EN 60079-14 Standard requirements. While installing the transmitter on the border of two zones, requirements of the Separation Element or Partition Wall according to EN 60079-26 shall be fulfilled.

(17) **Special Conditions for Safe Use:**

- Special Ambient Temperature **-40°C to +60°C** .
- The maximum temperature of the liquids in contact with the device shall be 125 °C.
- The product covered by this certificate incorporates previously certified devices, it is, therefore, the responsibility of the manufacturer to continually monitor the status of the certification associated with these devices, and the manufacturer shall inform SZUTEST of any modification of devices that may impinge upon the explosion safety design of their products.
- While installing the product on the border of two zones, the thickness of the Separation Elements or Partition Wall shall be more than 3 mm.

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

Covered by standards listed at 9.

This Certificate does not indicate compliance with electrical safety and performance requirements other than those expressly included in the Standards listed in (9).

This Certificate does not cover hazards coming from environmental conditions different from those clearly and precisely indicated and covered EN IEC 60079-0:2018.

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(19) Documentation List:

No	File Name	File Date	Rev.
01	Company Profile	03.08.2021	Rev.00
02	Description of product	03.08.2021	Rev.00
03	Product Design	03.08.2021	Rev.00
04	Risk Analysis	03.08.2021	Rev.00
05	User Guideline	03.08.2021	Rev.00
06	Test Report & Test Record	03.08.2021	Rev.00

(20) Variation: 1st issue

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