

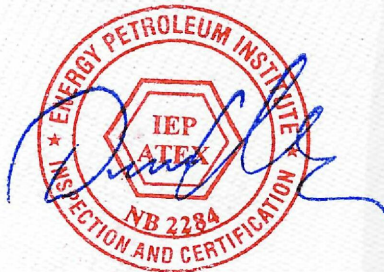
- (1) **EU-Type Examination Certificate**
- (2) **Equipment or Protective Systems Intended for use in Potentially Explosive Atmospheres**
- Directive 2014/34/EU**
- (3) EU – Type Examination Certificate Number: **IEP 25 ATEX 1677X**
- (4) Product: **FİMROD-485 type, Magnetostrictive Probe**
- (5) Firm Name: **FİMTEK Yazılım ve Elektronik LTD. ŞTİ.**
- (6) Firm Address: **Fevzi Çakmak Mah. Şehit Tugay Karaman Sok. No:23/2, Pendik-İstanbul, TÜRKİYE**
- (7) This product any of acceptable variation thereto is specified in the schedule to this certificate and the documents therein referred to.
- (8) The IEP Uluslararası Enerji Petrol Gözetim, Sertifikasyon ve Teknik Hizmetler Organizasyonu Tic. Ltd. Sti., notified body number 2284 in accordance with Article 17 of the Directive 2014/34/EU of 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 Nr: IEP.Rp.Ex.10-3358 date 19.08.2025.
- (9) Compliance with Essential Health and safety requirements has been assured by compliance with ;
- EN IEC 60079-0:2018, EN 60079-11:2012**
- (10) If the sign “ X “ is placed after the certificate number, it indicates that the product is subject to Specified 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 product in accordance to the directive 2014/34/EU. Further requirements of the directive apply to the manufacturing process and supply of this product. These are not covered by this certificate.
- (12) The marking of the equipment or protective system shall include the following:



II ½G Ex ia IIB T5 Ga/Gb

**Responsible Person :**

Nurettin Terzioglu  
Head of Certification Body



**Date of Issue : 20.08.2025**





# IEP ENERGY PETROLEUM INSTITUTE

(13) Schedule

(14) Certificate Nr: **IEP 25 ATEX 1677X**

(15) Description of Equipment:

Magnetostrictive level transmitters are devices used to continuously read liquid level and temperature. They consist of an electronic circuit housed in an aluminum casing and a stainless steel shaft located inside the tank. The level transmitters meet the Explosion Group II requirements in categories 1G (indoor) and 2G (outdoor) specified in the EN 60079-10-1 standard. FST Magnetostrictive level transmitters work with certified suitable barrier power supply.

**Electrical parameters:**

Barrier Power Supply: ia type of protection intrinsic safety Ex, only for connection to a certified intrinsically safe power supply, with following maximum values:

**Technical Specifications:**

$U_i \leq 12$  VDC

$I_i \leq 20$  mA

$P_i \leq 0,15$  W

$L_i \leq 0,01$  mH

$C_i \leq 100$   $\mu$ F

Ta (ambient temperature) : -40°C to +70°C

Model : FIMROD-485

IP degree of protection : IP 68

(16) Specific Conditions of Use (denoted by X after the certificate number)

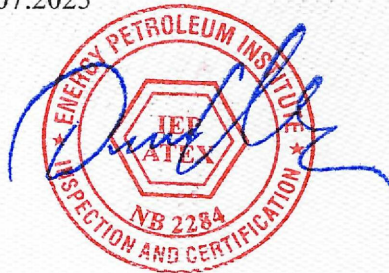
**16.1** The equipment must be installed so that during intended use, including maintenance and cleaning, or during malfunctions that can normally be expected, an ignition source due to electrostatic charging of the enclosure is excluded.

**16.2** The meaning of (IEP 25 ATEX 1677X) X Means: To must be installed by authorized personnel according to the user manual EN 60079-14. Periodic inspection should be carried out by authorized personnel according to EN 60079-17. Transmitters must be used intrinsically safe circuit zener barrier. The zener barrier specifications must be suitable according to the IIB gas group and transmitter energy sheeds.

(17) List of Documentation:

- ◆ Operation manual: 6 pages, dated 03.02.2025
- ◆ Component list in assessment and test report, 5 pages, dated 07.2025
- ◆ Drawings, 10 pages, dated 07.2025

**Responsible Person :**  
Nurettin Terzioglu  
Head of Certification Body



**Date of Issue : 20.08.2025**

