

- (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 24 ATEX 1374X**
- (4) Equipment: **MTS-xx Series, Mechanical Registered Flow Meter**
- (5) Firm Name: **MİTES Petrol Ekipmanları ve Ölçüm Sistemleri A.Ş.**
- (6) Firm Address: **Karacaoğlan Mah. Bornova Cad. No:14 / 9 Işıkkent Bornova - İzmir / 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.10-2476 date 21.06.2024.
- (9) Compliance with Essential Health and safety requirements has been assured by compliance with ;  
**EN ISO 80079-36: 2016 , EN ISO 80079-37: 2016**
- (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:



Responsible Person :

Nurettin Terzioglu  
Head of Certification Body



Date of issue : 24.06.2024







(13) Schedule / Certificate Nr : IEP 24 ATEX 1374X

(14) Description of Equipment Protective System: MTS-xx series mechanical registered flow meter is produced as flow meter which are used in transferring of materials in IIA gas group. MTS series fuel meters are meters with positive displacement and high measurement accuracy. They are designed to be used safely wherever fuel measurement is required.

### Technical Specifications:

Types	MTS-xx Series, Mechanical Registered Flow Meter				
	MTS-10	MTS-20	MTS-30	MTS-40	MTS-50
Max. flowrate Qmax (L/min)	35	55	75	110	175
Min. flowrate Qmin (L/min)	350	550	750	1100	1750
Min. measured Quantity MMQ (L)	20	50	50	100	100
Inlet diameter (Q)	1 ½"	2"	2 ¼"	3"	4"
Outlet diameter (Q)	1 ½"	2"	2 ¼"	3"	4"
Cast Aluminum (AlSi10Mg)					
Max. number of resettable digits	5				
Max. Number of non-resettable digits	8				
Type of display	Mechanical				
Max. pressure (MPa)	1				
Min. pressure (MPa)	0.05				
Type of liquid	Gasoline, Kerosene, Diesel and AdBlue				
Liquid temperature range	-20 °C to +50°C for fuels, -5 °C to +50°C for AdBlue				
Ambient Temperature	-40 °C to +70°C				

**IEP 24 ATEX 1374X (X means):** It should be done according to the assembly manual. Maintenance and assembly should be done by authorized persons.

### Product Code System:

**MTS XX :** MTS-10, MTS-20, MTS-30, MTS-40, MTS-50 (Model)

**A:** Filter, **B:** No Filter

**X:** Air Separator, **Y:** Air Extractor, **Z:** No Eliminator

**1:** Drain Pipe, **2:** Drain Pipe With Sight Glass, **3:** No Drain Pipe

**MN:** Counter, **P:** Pulsar, **PR:** Preset, **- :** No Counter

(15) Special conditions for safe use : Assembly and working of MTS series fuel meters with other related equipments must be adapted to national regulations.

(16) Essential Health and Safety Requirements :

**16.1** This certificate is in the contents of standards that mentioned in item [9 ] It has been accepted that MTS series fuel meters are manufactured according to the producer instructions and the standards mentioned above.

**16.2** Information's of assembled working of MTS series fuel meters with other related equipments exist in instruction manuals with approved and date 01.04.2023 .

### Responsible Person :

Nurettin Terzioğlu  
Head of Certification Body





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(17) Schedule / Certificate Nr : IEP 24 ATEX 1374X

(18) List of documentation:

- User manual (17 page, date 22.01.2024)
- Risk assessment reports EN ISO 80079-36 (2 page, date 01.12.2023)

(19) Drawings:

Drawing Nr ;	Date ;
ED-01~ED-04	12.01.2024
P-01	12.01.2024
ED-01~ED-04	12.01.2024
F-1001, F-1002, F-1003, F-1004, F-1007, F-1008, F-1009	12.01.2024
M-1001, M-1002, M-1004, M-1008, M-1012, M-1018	12.01.2024
M-1022, M-1024, M-1031	12.01.2024
S-1001, S-1002, S-1003, S-1004, S-1006, S-1012, S-1013, S-1016	12.01.2024
F-2001, F-2002, F-2003, F-2004, F-2007, F-2008, F-2009	12.01.2024
M-2001, M-2002, M-2004, M-2008, M-2012	12.01.2024
M-2018, M-2022, F-2024, F-2031	12.01.2024
S-2001, S-2002, S-2003, S-2004, S-2006, S-2012, S-2013, S-2016	12.01.2024
F-3001, F-3002, F-3003, F-3004, F-3007, F-3008, F-3009	12.01.2024
M-3001, M-3002, M-3004, M-3008, M-3012	12.01.2024
M-3012, M-3018, M-3022, M-3024, M-3031	12.01.2024
S-3001, S-3002, S-3003, S-3004, S-3006, S-3012, S-3013, S-3016	12.01.2024
F-4001, F-4002, F-4003, F-4004, F-4007, F-4008, F-4009	12.01.2024
M-4001, M-4002, M-4004, M-4008, M-4012	12.01.2024
M-4012, M-4018, M-4022, M-4024, M-4031	12.01.2024
S-4001, S-4002, S-4003, S-4004, S-4006, S-4012, S-4013, S-4016	12.01.2024
F-5001, F-5002, F-5003, F-5004, F-5007, F-5008, F-5009	12.01.2024
M-5001, M-5002, M-5004, M-5008, M-5012	12.01.2024
M-5012, M-5018, M-5022, M-5024, M-5031	12.01.2024
S-5001, S-5002, S-5003, S-5004, S-5006, S-5012, S-5013, S-5016	12.01.2024

For the validity of analysis type certificate , the parts that are used in MTS series fuel meters are determined in confirmed list of non-electrical parts, 4 page dated 22.01.2024 .

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



**Date of issue : 24.06.2024**

