TÜRK STANDARDLARI ENSTİTÜSÜ
TURKISH STANDARDS INSTITUTION

Ürün
TS EN ISO/IEC 17065
AB-0009-U

EU - TYPE EXAMINATION CERTIFICATE

2014/32/EU Measuring Instruments Directive

Certificate No : 1783-MID-0202

In accordance with Measuring Instruments Directive dated February 26, 2014 and numbered 2014/32/EU of the European Union Parliament and Measuring Instruments Directive numbered 2014/32/AB which was published in Official Journal of Turkish Republic dated 29.06.2016 and numbered 29757:

Manufacturer : **Jordan Factory for Meters Manufacturing Co , W. L.L.**

Amman – Zarqa Highway, Marka Industrial Area,
Amman – JORDAN

Essential requirements Applied : **MID Annex I and Annex MI-001**

Name of Measuring Instrument : **Water meter**

Type : **SJ**

Environmental Classes
- **Climatic** **-10 °C / +55 °C**
- **Mechanic** **M1 / O**
- **Electromagnetic** **E2**

Project Number : **3400-24/217164**

Comformity Assessment Report : **3400-MID-0202/2024-01**

Date of issue : **07.10.2024**

Valid until : **04.02.2026**

Total Page Number : **10**

Dr. Alkan HAFÇI
Director of Directives Ankara,
07.10.2024 Rev.00

This certificate is only valid with TSE-Notified Body 1783 seal.

1. General Information about Water Meter

1.1 Designation

Cold Water Meter(s) suitable for use in dwellings, commercial light industry and heavy industry; for indoor and outdoor, designed for measuring clean cold water volume, SJ model, semi dry type, multi jet measurement principle, should be connected horizontal position.

1.2 Design

Essential Parts of the Meter

- Calculator
- Lower Body
- Upper Body

1.3 Metrological Characteristic

Measurment of the water volume passing through

1.4 Software

Not applicable

1.5 Supplementary equipments

Not applicable

1.6 Equipments out of the scope of MID

pre – paid device;
Automatic meter reading systems;
data output through module RF, MBUS, Modbus, GPRS or SMART card;
pulse output (optional).
Coupling, Non-Return Valve

2. Technical and metrological data

Table 1

Type	-	**SJ-1P**
Nominal Diameter	mm	**15**
Overload Flowrate Q_4	m^3/h	**3,125**
Permanent Flowrate Q_3	m^3/h	**2,5**
Transitional Flowrate Q_2	m^3/h	**0,016**
Minimum Flowrate Q_1	m^3/h	**0,01**
Ratio Q_3 / Q_1	-	**250[a]**
Connection Position	-	**H (Horizontal)**
Connection Thread	mm	**G3/4B**
Construction Lenght	mm	**165**
Width	mm	**101**
Total Overall Meter Height	mm	**118**
Temprature Class	°C	**T50**
Maximum Working Pressure	bar	**16**
Maximum Permissible Errror in upper flow rates $Q_2 \leq Q \leq Q_4$	%	**±2 (≤ 30 °C) (For Class 1 ±1)** **±3 (≥ 30 °C)**
Maximum Permissible Errror in lower flow rates $Q_1 \leq Q < Q_2$	%	**±5 (For Class 1 ±3)**
Scale Interval	-	**0.00005**
Capacity of Calculator	m^3	**9999 / 99999 / 99999,99 / 99999,999**
Environment Class	-	**O**
Electromagnetic Class	°C	**E2**
Installation Conditions	-	**U0-D0**
Class	-	**Class 1/ Class 2**
Pressure Loss Class	-	**ΔP63**
Reverse Flow		**It is not designed to perform reverse flow measurement.**
Description	-	**a) Include R200, R160, R125, R100, R80, R63, R50 ve R40.**

3. Marking

The following data shall be marked on the water meter

- Unit of measurement
- Accuracy class, where it differs from accuracy class 2.
- manufacturer's name and/or registered trademark,
- type of water meter,
- year of production and serial number,
- continuous flowrate Q_3 and Q_3/ Q_1 ratio (R),
- maximum operating pressure,
- connection shape, temprature class, pressure loss class, installation sensitivity class
- EU-type examination certificate number,
- comformity marking according to the regulation in regards to the measuring intruments
- The flow direction shall be marked on a water meter's body in the form of an arrow

3.1 Registered trademark of the manufacturer

The manufacturer uses the following figure inscription commercial trademark on the water meters

JOMETER

4. Sealing

The sealing wire and stamp is used in order to prevent unauthorized intervention to water meter, adjustment screw and the lower body to upper body connection. Unauthorized intervention to the adjustment screw, the lower body to upper body connection is not possible without damaging that seal.

5. Terms of Production, putting into use and usage

5.1 Production

- no special terms identified for production

5.2 Putting into use

- water meters must be installed in the plumbing as mentioned in installation instructions and/or user's manual of the manufacturer.
- no terms identified for straight pipe lengths at the inlet and exit of the meter, flow profile class of the meter was determined according to EN ISO 4064-1:2014.
- type tests of the meter were carried out according to EN ISO 4064-1:2014 and OIML R 49-1.

5.3 Requirements for usage

- must be used in accordance with the terms of the user's manual given by the manufacturer.

6. Documentation used within the scope of assessment

- Inspection and testing report dated 02.02.2016 and No: 728-MID-009/2016-01, issued by TSE
- Manufacturer's technical file, technical drawings, component lists

7. Standards and regulations used within the scope of assessment

7.1 Regulations, harmonised standards and mandatory normative documents

- Measuring Instruments Directive numbered 2014/32/AB published in the Official Journal dated 29.06.2016 and number 29757
- EN ISO 4064-1:2017
- EN ISO 4064-2:2017
- EN ISO 4064-3:2014
- EN ISO 4064-4:2014
- EN ISO 4064-5:2017
- OIML R 49-1:2013
- OIML R 49-2:2013

7.2 Reference documents

- WELMEC Guide 11.1
- WELMEC Guide 11.3

8. Conclusion

Structural, technical and metrological parameters of the meter which is going to be put into market must provide compatible with the documentation submitted with this Type Examination Certificate. The tested meters meet the requirements of the Measuring Instruments Directive numbered 2014/32/EU of the European Union Parliament and the Council and the Measuring Instruments Directive numbered 2014/32/EU published in the Official Journal dated 29.06.2016 and number 29757 of Turkish Republic.

9. Annexes

Annex-1: Illustrative pictures of the water meter

Annex-2: Main Dimensions of the water meter

Annex-3: Demonstration of Sealing

Annex-4: Marking

Annex-1:

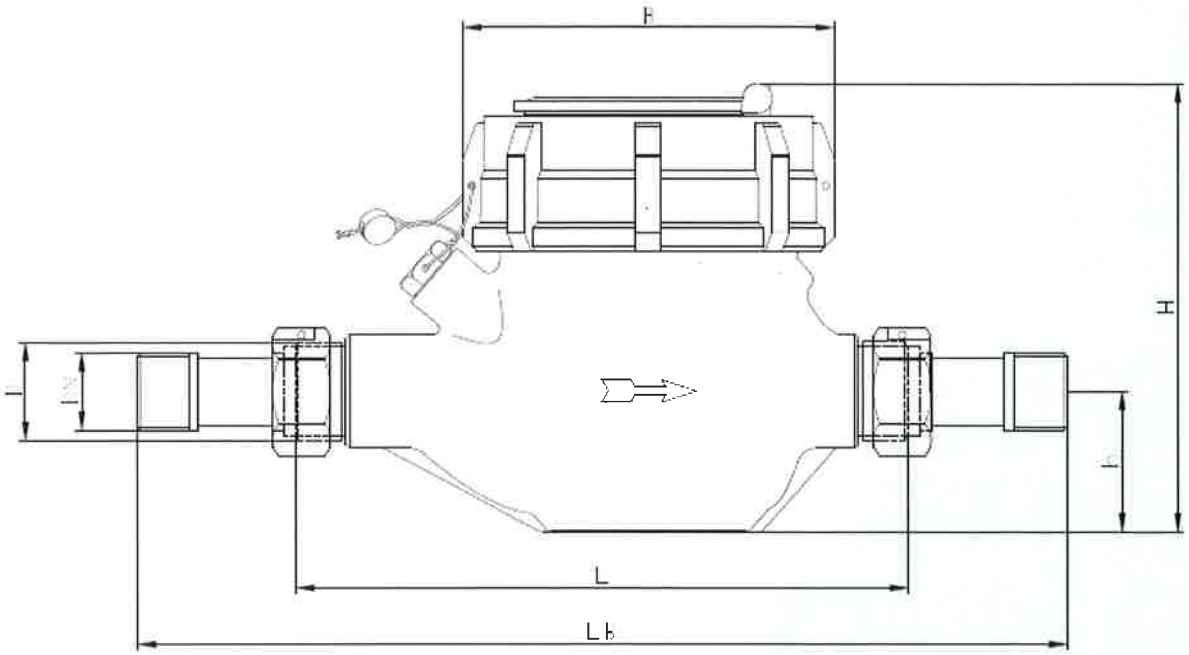
SJ-1P

Illustrative of water meter

Annex-2:

SJ-1P

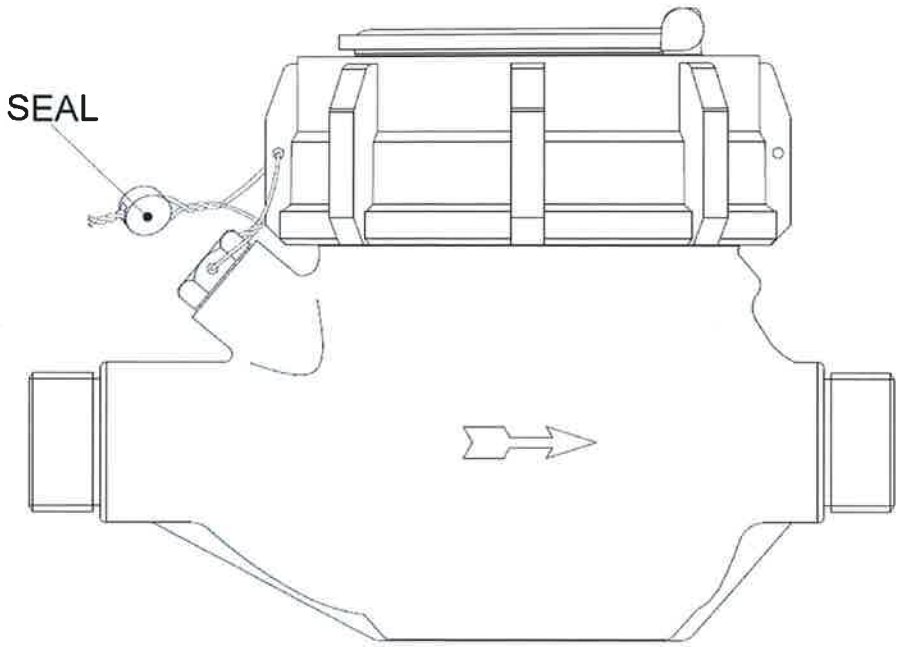
DIMENSIONS	
Connection Pipe Diameter (mm) – DN	15
Connection Thread – D	G 3/4B
Meter Length (mm) – L	165
Length With Connections (mm) – LB	245
Total Overall Meter Height (mm) – H	120
Axis Height (mm) – h	38
Width (mm) – B	101



Main Dimensions of water meter

Annex-3:

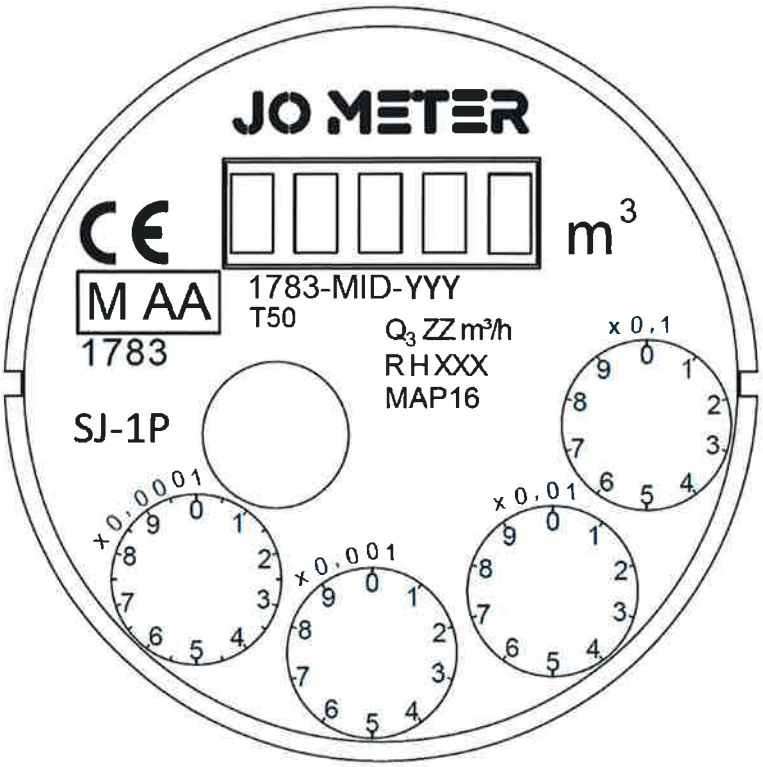
SJ-1P



Sealing Plan of water meter

Annex-4:

SJ-1P



ZZ: Q_3 value of the meter
AA: Last 2 digit of production year
XXX: R value of the meter at horizontal position
YYY: B module number

Marking of water meter

REVISION PAGE

Rev. No.	Date	Revision Reason
00	07.10.2024	First Issue