



OIML Member State
Czech Republic

OIML Certificate No.
R49/2013-A-CZ1-26.03

OIML CERTIFICATE ISSUED UNDER SCHEME A

OIML Issuing Authority

Name: Czech Metrology Institute
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Person responsible: Jan Kalandra

Applicant

Name: ADD Production
Address: str. Dragomirna 36, Chisinau, PC: MD-2008, Republic of Moldova

Manufacturer

Name: ADD Production
Address: str. Dragomirna 36, Chisinau, PC: MD-2008, Republic of Moldova

Identification of the certified type *(the detailed characteristics will be defined in the additional pages)*

water meter – ultrasonic, dry dial

WMP

Designation of the module *(if applicable)*

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This OIML Certificate attests the conformity of the above identified type (represented by the sample(s) identified in the OIML type evaluation report) with the requirements of the following Recommendation of the International Organization of Legal Metrology (OIML):

OIML R 49

Edition (year): 2013

For accuracy class (if applicable): 2

This OIML Certificate relates only to metrological and technical characteristics of the type of measuring instrument covered by the relevant OIML Recommendation identified above.

This OIML Certificate does not bestow any form of legal international approval.

The conformity was established by the results of tests and examinations provided in the associated OIML type evaluation report:

Type evaluation report No. 0511-ER-V088-26 dated 14 July 2026 that includes 47 pages including annex 1
Type Evaluation Report No. 0511-ER-V061-22 dated 24 October 2022 (with related Test Report No. 194400-061/2022) that includes 43 pages including annex 1

Type Evaluation Report No. 0511-ER-V029-20 (with related Test Reports No. 6015-PT-P0002-22, EMC test report No. 8551-PT-E0118-21 and Software validation Test Report No. 6011-PT-SW004-22 according to WELMEC 7.2, 2020) that includes 93 pages including annex 1 to 4

Type Evaluation Report No. 0511-ER-V015-23 (with related Test Reports No. 6015-PT-P0007-24, Software validation test report No. 6011-PT-SW004-24) that includes 134 pages including annex 1 to 3

Type Evaluation Report No. 0511-ER-V049-24 (with related Test Report No. 6015-PT-P0025-24) that includes 99 pages including annex 1

The technical documentation relating to the identified type is contained in documentation file:

0511-UL-V088-26

OIML Certificate History

Revision No.	Date	Description of the modification
-	20 July 2026	Issuing certificate

The OIML Issuing Authority

RNDr. Pavel Klenovský

Director of Certification Body

Date: 20 July 2026



Important note: Apart from the mention of the Certificate's reference number and the name of the OIML Member State in which the Certificate is issued, partial quotation of the Certificate and of the associated OIML type evaluation report(s) is not permitted, although either may be reproduced in full.

Measuring system description

The water meters type WMP are designed to measure, memorise and display the volume at metering conditions of water passing through the measurement transducer.

The water meters type WMP are ultrasonic water meters with an electronic indicating device.

The water meters type WMP consist of a brass body with connecting screw threads, one pair of ultrasonic transducers and the electronic indicating device. The electronic indicating device is formed by LCD display shown volume. The water meter displays the volume resolution of 0.000 001 m³ on the digital display.

Water meter is without any buttons with LCD display and communication interfaces.

Ultrasonic water meter has a separation of software. The version of SWs and CRCs are displayed in the auto-rounding menu on LCD display in the time period in the form:

- CRC of legally relevant part
- SW version of legally relevant part

The water meters type WMP displays the indication of each volume on the display every time period.

The water meters type WMP are by powered battery 3.6V DC

The water meters can be installed to operate in positions: horizontal position with the indicating device at the top and at the side and vertical position with flow from bottom to top and the internal dimensions of the water meter pipes are always the same for each dimension.

Marking and inscriptions

The water meters type WMP shall be clearly and indelibly marked with the following information:

- Unit of measurement (m³)
- Numerical value Q_3 in m³/h ($Q_3 \times \times$) and the ratio Q_3 / Q
- OIML certificate of conformity number
- Name of trademark of the manufacturer
- Year of manufacture, two last digits of the year of manufacture, or the month and year of manufacture and serial number (as near as possible to the indicating device)
- Direction of flow, by means of an arrow (shown on both sides of the body or on one side only provided the direction of flow arrow is easily visible under all circumstances)
- Maximum admissible pressure (MAP $\times \times$)
- Letter H $\uparrow$ (horizontal position with the indicating device at the top), H $\rightarrow$ (horizontal position with the indicating device at the side), V $\uparrow$ (vertical position with flow from bottom to top)
- The temperature class (T $\times \times$)
- The pressure loss class ($\Delta p \times \times$)
- For a non-replaceable battery: the latest date by which the meter shall be replaced
- Environmental classification (B or O)
- Electromagnetic environmental class (E1)
- Software version / checksum (on digital display)

These markings shall comply with the requirements of OIML R 49 and shall be visible without dismantling the water meter after the instrument has been placed on the market or put into use.

The environmental classification and electromagnetic environmental class may be given on a separate datasheet, unambiguously related to the meter by a unique identification, and not on the meter itself.

Characteristics

Basic technical data of water meters type WMP:

Manufacturer:	ADD Production		
Model number:	WMP		
Nominal diameter:	15	20	25
Type details:			
Q_1 [m ³ /h]:	flowrates are shown in Table <i>Basic metrological data (flowrates)</i>		
Q_2 [m ³ /h]:			

Q_3 [m³/h]:						
Q_4 [m³/h]:						
Q_3 [m³/h]:	1.6	2.5	2.5	4.0	4.0	6.3
Q_3/Q_1 :	800; 400; 250	1600; 800; 400; 250	800; 400; 250	1600; 800; 400; 250	800; 400; 250	1600; 800; 400; 250
Q_2/Q_1 :	1.6					
Q_4/Q_3 :	1.25					
Measuring principle:	ultrasonic					
Accuracy class:	2					
Temperature class:	T30 or T50					
Water pressure class:	MAP16					
Pressure loss class:	$\Delta P40$	$\Delta P40$	$\Delta P40$	$\Delta P40$	$\Delta P40$	$\Delta P63$
Reverse flow:	Not designed to measure					
Environmental class:	O (-25 to + 70 °C)					
Electromagnetic environment:	E1					
Mechanical class:	M1					
Maximum admissible temperature [°C]:	50					
Maximum admissible pressure [MPa]:	1.6					
Orientation limitation:	H↑ and H→ (horizontal position with the indicating device at the top and at the side) V↑ (vertical position with flow from bottom to top)					
Indicating range [m³]:	99 999		99 999		99 999	
Resolution of the indicating device [m³]:	0.000 001		0.000 001		0.000 001	
Resolution of the device for rapid testing [m³]:	-					
EUT testing requirements (OIML R 49-2:2013, 8.1.8):						
Category:	Ultrasonic water meter					
Case:	Case B					
Installation details:						
Connection type (screw thread):	G3 / 4"		G1		G1 / 1/4"	
Minimum straight length of inlet pipe [mm]:	0					
Minimum straight length of outlet pipe [mm]:	0					
Flow profile sensitivity class:	U0D0					
Flow conditioner (details if required):	No					
Mounting:	in line meter					
Orientation:	H↑ and H→ (horizontal position with the indicating device at the top and at the side) V↑ (vertical position with flow from bottom to top)					
Other relevant information:	-					
Protection degree	IP68					
Length [mm] – brass body:	110 - 165		130 - 195		190 - 225	

Installation details (electrical):	
Wiring instructions:	-
Mounting arrangement:	-
Orientation limitations:	-
Power supply:	
Type (battery, mains AC, mains DC):	non replaceable battery
$U_{\max}$ (V):	3.6
$U_{\min}$ (V):	2.6
Frequency:	-
Minimum battery life time [years]:	16
Software version (of legally relevant SW):	V80 V81
CRC checksum (of legally relevant SW):	5A3210F1 9d3A5b4d
Information specified by the manufacturer (information in the table below are not certified)	
Wireless communication	BLE, WMbus, LoRa
Measuring ability	Starting flow 0.001 m ³ /h

Manufacturer:	ADD Production					
Model number:	WMP					
Nominal diameter:	15	20	25			
Type details:						
Q_1 [m ³ /h]:	flowrates are shown in Table <i>Basic metrological data (flowrates)</i>					
Q_2 [m ³ /h]:						
Q_3 [m ³ /h]:						
Q_4 [m ³ /h]:						
Q_3 [m ³ /h]:	1.6	2.5	2.5	4.0	4.0	6.3
Q_3/Q_1 :	800; 400; 250	1600; 800; 400; 250	400; 250	800; 400; 250	400; 250	800; 400; 250
Q_2/Q_1 :	1.6					
Q_4/Q_3 :	1.25					
Measuring principle:	ultrasonic					
Accuracy class:	2					
Temperature class:	T30 or T50					
Water pressure class:	MAP16					
Pressure loss class:	ΔP_{40}	ΔP_{40}	ΔP_{40}	ΔP_{40}	ΔP_{40}	ΔP_{63}
Reverse flow:	Not designed to measure					
Environmental class:	O (-25 to + 70 °C)					
Electromagnetic environment:	E1					
Mechanical class:	M1					

Maximum admissible temperature [°C]:	50		
Maximum admissible pressure [MPa]:	1.6		
Orientation limitation:	V↓ (vertical position with flow from top to bottom)		
Indicating range [m³]:	99 999	99 999	99 999
Resolution of the indicating device [m³]:	0.000 001	0.000 001	0.000 001
Resolution of the device for rapid testing [m³]:	-		
EUT testing requirements (OIML R 49-2:2013, 8.1.8):			
Category:	Ultrasonic water meter		
Case:	Case B		
Installation details:			
Connection type (screw thread):	G3 / 4"	G1	G1 / 1/4"
Minimum straight length of inlet pipe [mm]:	0		
Minimum straight length of outlet pipe [mm]:	0		
Flow profile sensitivity class:	U0D0		
Flow conditioner (details if required):	No		
Mounting:	in line meter		
Orientation:	V↓ (vertical position with flow from top to bottom)		
Other relevant information:	-		
Protection degree	IP68		
Length [mm] – brass body:	110 - 165	130 - 195	190 - 225
Installation details (electrical):			
Wiring instructions:	-		
Mounting arrangement:	-		
Orientation limitations:	-		
Power supply:			
Type (battery, mains AC, mains DC):	non replaceable battery		
U _{max} (V):	3.6		
U _{min} (V):	2.6		
Frequency:	-		
Minimum battery life time [years]:	16		
Software version (of legally relevant SW):	V80 V81		
CRC checksum (of legally relevant SW):	5A3210F1 9d3A5b4d		
Information specified by the manufacturer (information in the table below are not certified)			
Wireless communication	BLE, WMbus, LoRa		
Measuring ability	Starting flow 0.001 m³/h		

Table Basic metrological data (flowrates)

Manufacturer:	ADD Production							
Model number:	WMP							
Nominal diameter:	15	15	15	15	15 and 20	15 and 20	15 and 20	20
Type details:								
Q_1 [m ³ /h]:	0.0020	0.0040	0.0064	0.0016	0.0031	0.0063	0.0100	0.0025
Q_2 [m ³ /h]:	0.0032	0.0064	0.0102	0.0025	0.0050	0.0100	0.0160	0.0040
Q_3 [m ³ /h]:	1.60	1.60	1.60	2.50	2.50	2.50	2.50	4.00
Q_4 [m ³ /h]:	2.00	2.00	2.00	3.13	3.13	3.13	3.13	5.00
Q_3/Q_1 :	800	400	250	1600	800	400	250	1600

Manufacturer:	ADD Production							
Model number:	WMP							
Nominal diameter:	20 and 25	20 and 25	20 and 25	25	25	25	25	-
Type details:								
Q_1 [m ³ /h]:	0.0050	0.0100	0.0160	0.0039	0.0079	0.0158	0.0252	-
Q_2 [m ³ /h]:	0.0080	0.0160	0.0256	0.0063	0.0126	0.0252	0.0403	-
Q_3 [m ³ /h]:	4.00	4.00	4.00	6.30	6.30	6.30	6.30	-
Q_4 [m ³ /h]:	5.00	5.00	5.00	7.88	7.88	7.88	7.88	-
Q_3/Q_1 :	800	400	250	1600	800	400	250	-

Securing components and verification marks

The water meter type WMP has a non-separable case and access to the metering part of the meter is inaccessible without visible damage of its case. The water meter can be fitted by an optional sealing by a wire with seal mark. The sealing is described in Figure. 1.

There are several sealing options that allows the water meter additional protection according to the local regulations:

- two optional security seals (position 1 in Figure 1). The meter design provides holes to thread the security seal wires.
- two optional security self-destructive stickers (position 2 in Fig.1) to protect power source.

Figure 1: The view and sealing of the WMP water meter



A non-separable cover closes the meter body. Any attempt to open the meter cover causes visible damages, such as breakage and cracks, which can appear in any part of the cover, especially that located close to the meter body. The damaged cover can no longer be used to close the meter.

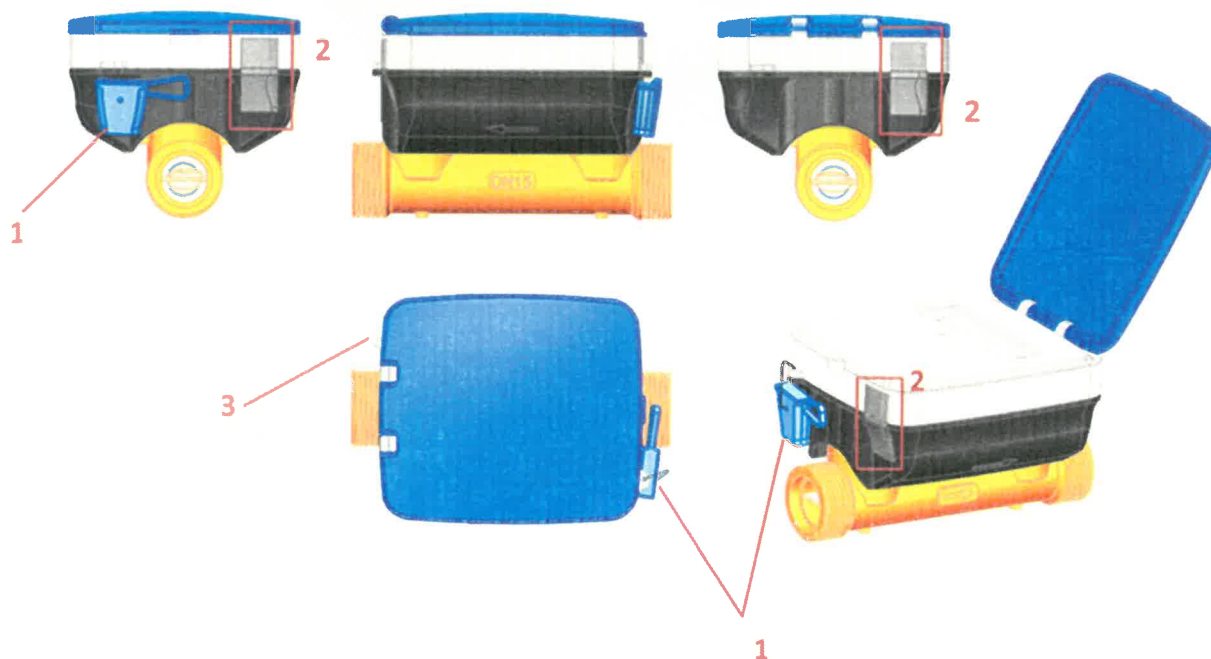


Figure 2: Example of the dial with parameters of the water meter type WMP



①	Meter type
②	Display to view consumption data and states
③	Metrological LED
④	Meter manufacturer trademark
⑤	OIML certificate of conformity number
⑥	Technical parameters
⑦	Place of manufacturing and date
⑧	Battery expiry date
⑨	Barcode with serial number