

# CERTIFICAT DE CONFORMITE DE TYPE

## TYPE COMPLIANCE CERTIFICATE

à la norme ISO 4064:2017 - Compteurs d'eau potable froide et d'eau chaude

to ISO 4064:2017 standard - Meters for cold potable water and hot water

**Délivré par** : Laboratoire national de métrologie et d'essais  
*Issued by*

**Délivré à** : ITRON FRANCE - 9 rue ampère  
*Issued to* FRANCE - 71031 - MACON Cedex

**Fabricant** :  
*Manufacturer*

**Concernant** : Compteur ITRON type IW2  
*In respect of*

Water meter ITRON type IW2

**Caractéristiques** : Voir annexe  
*Characteristics*

See annex

Au vu des résultats figurant dans les rapports d'essais et d'évaluation référencés P241493, l'instrument essayé est déclaré conforme aux exigences de la norme de référence.

Ce certificat ne s'applique qu'à l'instrument essayé et pour les essais réalisés et consignés dans le(s) rapport(s) d'essais référencés ci-dessus.

*On the basis of the results contained in test reports referenced P241493, the tested measuring instrument is declared in conformity with the requirements of the above referenced standard.*

*This certificate only applies to the tested measuring instrument and to the tests specified in the report(s) referenced above.*

Etabli le 22 juillet 2024  
*Issued on July 22nd, 2024*

Pour le Directeur Général  
*On behalf of the General Director*



Eméric MOREL

Responsable du Département Certification  
Instrumentation

*Head of Instrumentation Certification Department*

N° LNE- 37883 rév. 4

## Annex to certificate LNE-37883 rev.4

### Characteristics

Nominal diameter DN (mm)	DN15		DN20	
Body material	Copper alloy			
Length (mm)	From 105 to 170		From 105 to 190	
Connections	Threads G 3/4" & G 7/8"		Threads G 1"	
Minimum indicating range (m <sup>3</sup> )	9 999			
Pulse weight (cm <sup>3</sup> )**	6	9	9	15
Permanent flowrate Q3 (m <sup>3</sup> /h)	1,6	2,5	2,5	4
Overload flowrate Q4 (m <sup>3</sup> /h)	2	3,125	3,125	5
Q3/Q1*	630 (class 2) 315 (class 1)	1000 (class 2) 500 (class 1)	630 (class 2) 315 (class 1)	1000 (class 2) 500 (class 1)
Q2/Q1	1,6			
Orientation	All positions			
Accuracy class	1 or 2			
Maximum admissible pressure (bar)	16			
Flow profile sensitivity class	U0D0			
Pressure loss class	$\Delta P$ 25	$\Delta P$ 40	$\Delta P$ 25	$\Delta P$ 63
Pressure loss at Q3 (bar)	0,16	0,38	0,17	0,44
Pressure loss class (reversal flow)	$\Delta P$ 25	$\Delta P$ 63	$\Delta P$ 25	$\Delta P$ 63
Pressure loss at Q3 (bar) (reversal flow)	0,17	0,42	0,17	0,42
Water temperature class	T50			
Climatic environment	-25°C ...+70°C			
Mechanical class	M1			
Electromagnetic class	E2			
Environmental class	B/O			
Reversal flow measurement	Yes (class 2 with 04.xx version only)			
Power supply	LiMnO2 Battery 3V DC / Voltage range [2,5V – 3,2V] / Lifetime : up to 20 years			
Metrological software version / Cheksum	03.xx / 0xF3EC 04.xx / 0xD0A3			

\* For a given nominal flowrate (Q3) values of Q3/Q1 lower than those listed in the table are permitted. However, values of this ratio cannot be below 40.

\*\* Pulse weight could be higher for lower ratios.

## Annex to certificate LNE-37883 rev.4

Nominal diameter DN (mm)	DN25		DN32
Body material	Copper alloy		
Length (mm)	260		260
Connections	Threads G 1"1/4		Threads G 1"1/2
Minimum indicating range (m <sup>3</sup> )	9 999	99 999	
Pulse weight (cm <sup>3</sup> )**	23	37	37
Permanent flowrate Q3 (m <sup>3</sup> /h)	6,3	10	10
Overload flowrate Q4 (m <sup>3</sup> /h)	7,875	12,5	12,5
Q3/Q1*	1000		
Q2/Q1	1,6		
Orientation	All positions		
Accuracy class	2		
Maximum admissible pressure (bar)	16		
Flow profile sensitivity class	U0D0		
Pressure loss class	$\Delta P$ 40	$\Delta P$ 63	$\Delta P$ 63
Pressure loss at Q3 (bar)	0,40	0,63	0,63
Water temperature range	+0.1°C ... +50°C		
Climatic environment	-25°C ...+70°C		
Mechanical class	M1		
Electromagnetic class	E2		
Environmental class	B/O		
Reversal flow measurement***	No		
Power supply	LiMnO2 Battery 3V DC / Voltage range [2,5V – 3,2V] / Lifetime : up to 20 years		
Metrological software version / Checksum	03.xx / 0xF3EC 04.xx / 0xD0A3		

\* For a given nominal flowrate (Q3) values of Q3/Q1 lower than those listed in the table are permitted. However, values of this ratio cannot be below 40.

\*\* Pulse weight could be higher for lower ratios.

\*\*\* The water meter is not designed to measure reverse flow but can withstand a reverse flow without any deterioration or change in metrological properties.

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Nominal diameter DN (mm)	DN40		DN50	
Body material	Copper alloy			
Length (mm)	300		270 and 300	
Connections	Threads 2"		Threads G 2" ½ and Flange	
Minimum indicating range (m <sup>3</sup> )	99 999			
Pulse weight (cm <sup>3</sup> )**	60	60	60	93
Permanent flowrate Q3 (m <sup>3</sup> /h)	16	16	16	25
Overload flowrate Q4 (m <sup>3</sup> /h)	20	20	20	31,25
Q3/Q1*	1000	630	630	1000
Q2/Q1	1,6			
Orientation	All positions			
Accuracy class	2			
Maximum admissible pressure (bar)	16			
Flow profile sensitivity class	U0D0			
Pressure loss class	ΔP 40	ΔP 25	ΔP 25	ΔP 63
Pressure loss at Q3 (bar)	0,40	0,25	0,25	0,63
Water temperature range	+0.1°C ... +50°C			
Climatic environment	-25°C ...+70°C			
Mechanical class	M1			
Electromagnetic class	E2			
Environmental class	B/O			
Reversal flow measurement***	No			
Power supply	LiMnO2 Battery 3V DC / Voltage range [2,5V – 3,2V] / Lifetime : up to 20 years			
Metrological software version / Checksum	03.xx / 0xF3EC 04.xx / 0xD0A3			

\* For a given nominal flowrate (Q3) values of Q3/Q1 lower than those listed in the table are permitted. However, values of this ratio cannot be below 40.

\*\* Pulse weight could be higher for lower ratios.

\*\*\* The water meter is not designed to measure reverse flow but can withstand a reverse flow without any deterioration or change in metrological properties.