

ALTAIR V4 IS HOT WATER

VOLUMETRIC METER



APPLICATION

ALTAIR V4 IS HOT WATER is a volumetric meter designed to measure the consumption of domestic hot water. Compact and robust, ALTAIR V4 IS HOT WATER is easy to install and perfectly suited for varying water qualities. Its integrated radio enables remote reading of the index and alarms of the meter in mobile mode (walk-by) or fixed network. Developed within the framework of the MID, it complies with the European regulations and holds sanitary conformity certificates.

FEATURES

- DN15
- Q3=1.6m³/h / Q3=2.5m³/h
- MID approval up to R=400
- Starting flow rate: 1 l/h
- Water temperature from 30°C to 90°C
- Brass body
- IZAR integrated 868 MHz radio, PRIOS protocol
- Battery lifetime up to 10 years
- IP54 - not suitable for wet environment

METROLOGICAL DATA

Nominal diameter	DN	mm	15	15
Length	L	mm	110	110
Nominal flow rate	Q ₃	m ³ /h	1.6	2.5
R standard*	Q ₃ /Q ₁		100	160
Starting flow rate		l/h	1	1
Minimum flow rate	Q ₁	l/h	16	15.62
Transition flow rate	Q ₂	l/h	25.6	25
Maximum flow rate	Q ₄	m ³ /h	2	3.125
Head loss at Q ₃		bar	0.22	0.54
Head loss at Q ₄		bar	0.34	0.85
Kvs (deltaP=Q ² /Kvs ²)			3.38	3.38

* Other values on request

APPROVAL

ALTAIR V4 IS HOT WATER

MID approval	LNE-6250 Type A2
Standards	EN 14154 ISO 4064 OIML R49
Sanitary conformity	ACS WRAS

REACH

Information pursuant to Article 33 (1) of Regulation (EC) No 1907/2006 of the European Parliament and of the Council of 18 December 2006:

This product series contains components with the following substances in a concentration of more than 0.1% weight by weight (w/w):

- Lead (CAS no.: 7439-92-1)

TEMPERATURES AND PRESSURE

ALTAIR V4 IS HOT WATER

Water temperature	°C	+30 ... +90
Operating ambient temperature	°C	+5 ... +50
Storage temperature	°C	-20 ... +55
Nominal pressure	PN	bar 16
Degree of protection		IP 54

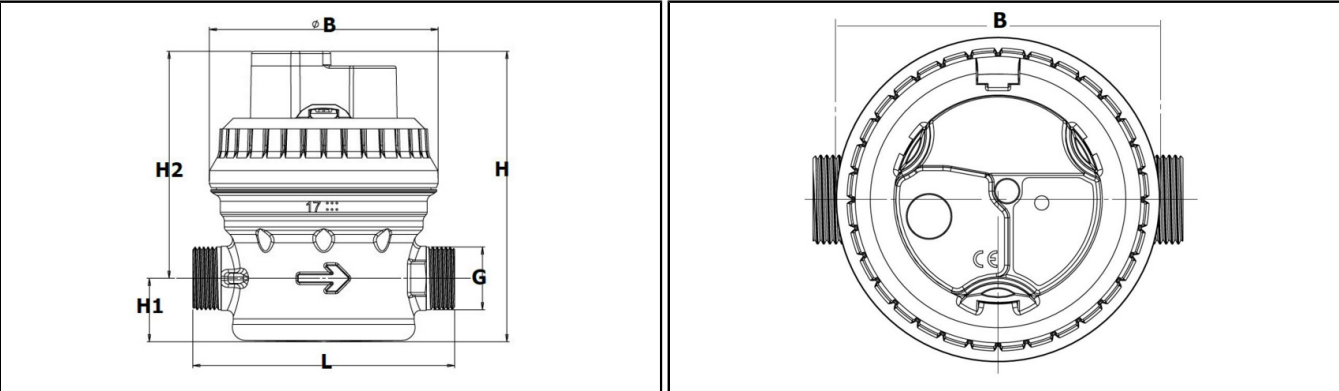
TECHNICAL DATA IZAR INTEGRATED RADIO

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Communication protocol		PRIOS
Frequency	MHz	868.95 (R3 mode)
Sending interval		Every 32 seconds
Standards		EN 300 220 RED directive EN 13757-3/-4
Transmission power	mW	16
Transmission mode		Unidirectional
Radio range		Up to 500 m depending on the environment
Power supply		3 V lithium battery
Typical battery lifetime		Up to 10 years*
Integrated functions		Current index Historical index value Remaining battery lifetime
Alarms management		Leak detection Meter stopped Overflow Underflow Backflow

* Under standard conditions of use and temperature. Theoretical lifetime, not guaranteed.

DIMENSION

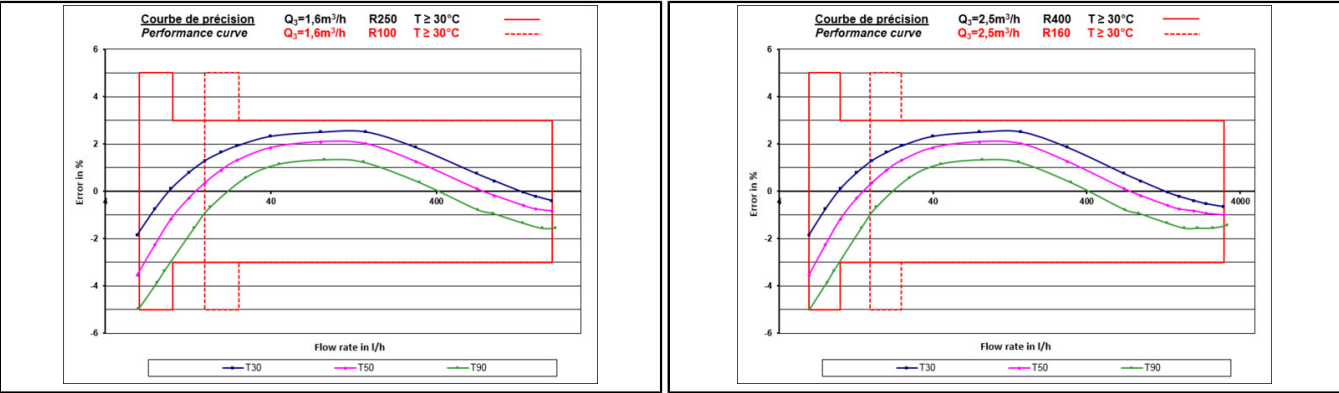


Front view

Top view

Nominal diameter	DN	mm	15	15
Length	L	mm	110	110
Nominal flow rate	Q ₃	m ³ /h	1.6	2.5
Width	B	mm	96.2	96.2
Height	H	mm	123	123
Height	H1	mm	27	27
Height	H2	mm	96	96
Thread connections	G	inch	3/4"	3/4"
Body			brass	brass
Weight		kg	0.89	0.89

PRECISION CURVE



This technology does not require straight length.

OPTIONS

- Pair of connectors
- Stainless steel pocket filter

Economic Actor Information

Applicable regulation and legal obligations for products may change.

DIEHL METERING monitors applicable regulation to ensure their products comply at the date of placing on the market.

Each economic actor making products available on the market thereafter must independently keep informed about the current applicable regulation.

For questions, please contact: metering-germany-info@diehl.com

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