

# ALTAIR MCI V5 COMPOSITE

## ROTARY PISTON METER



### APPLICATION

Domestic rotary piston water meter (only complete meter)

### FEATURES

- Low noise level
- System compatibility, with standard applicable pulse output 1 l/pulse. ALTAIR MCI V5 Composite can be extended - with IZAR RADIO (radio module) or IZAR PULSE (pulse transmitter)
- Any mounting position + no calming sections necessary
- Low starting flow approximately 0.6 l/h permits recording of very small amounts of water
- Self-cleaning mechanism of measuring chamber
- Encapsulated roller counter unit rotatable by 350°
- Nearly 50 % lighter than meter with brass body
- Suitable for fully demineralized water

## METROLOGICAL DATA

Housing			Horizontal
Nominal diameter	DN	mm	20
Permanent flow rate	Q <sub>3</sub>	m <sup>3</sup> /h	4
R standard*	Q <sub>3</sub> /Q <sub>1</sub>		160
Starting flow rate		l/h	0.6
Minimum flow rate*	Q <sub>1</sub>	l/h	25**
Transitional flow rate*	Q <sub>2</sub>	l/h	40
Overload flow rate	Q <sub>4</sub>	m <sup>3</sup> /h	5
Head loss at Q <sub>3</sub>		bar	0.6

\*Other values on request

\*\*Based on R 160

## APPROVAL

### ALTAIR MCI V5 COMPOSITE

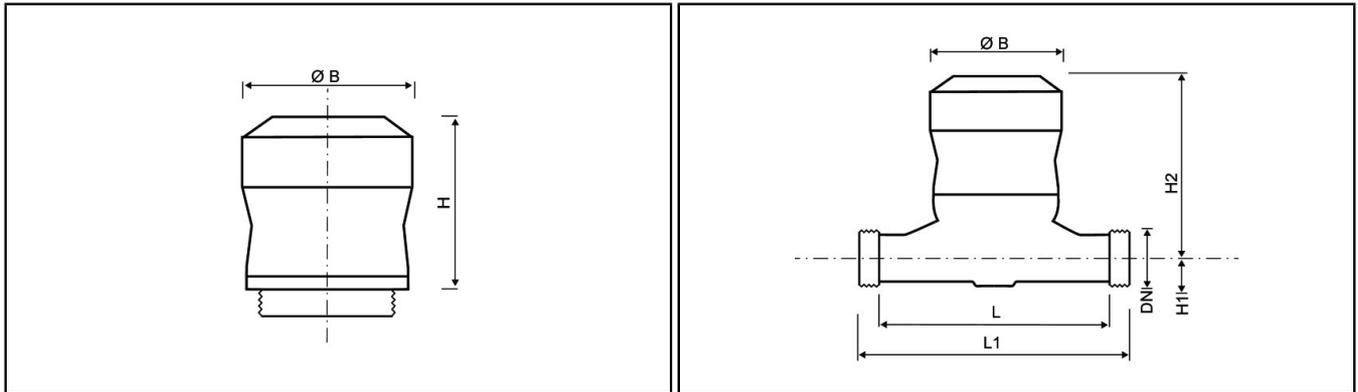
MID Approval		LNE - 39018   Type A3
Standards		ISO 4064   EN 14154   OIML R49   UKCA
Dynamic range (Q <sub>3</sub> /Q <sub>1</sub> )	R	40   80   160
Potable water		ACS   AoC DEU   Belgaqua   PZH   WRAS

## TEMPERATURE AND PRESSURE

### ALTAIR MCI V5 COMPOSITE

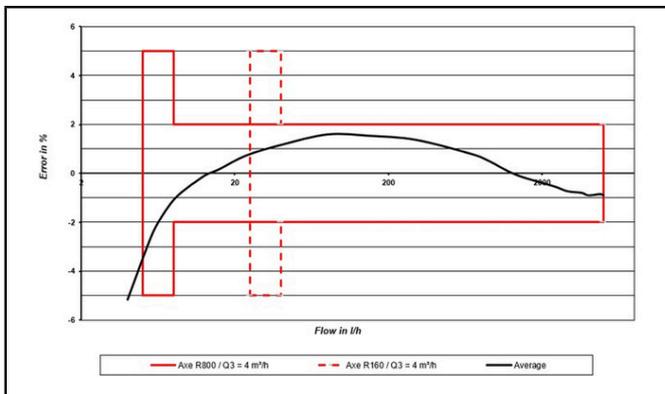
Water temperature	°C	0.1 ... +50
Ambient temperature	°C	+1 ... +55
Ambient storage temperature	°C	-10 ... +55
Nominal pressure	bar	16

**DIMENSIONS**



Housing			Horizontal
Nominal diameter	DN	mm	20
Permanent flow rate	$Q_3$	$m^3/h$	4
Length	L	mm	160
Overall length (DIN ISO 4064)	L1	mm	190
Connection thread on meter	Inch		G1B
Height	H	mm	94
Height	H1	mm	27
Height	H2	mm	141
Diameter	$\varnothing B$	mm	93
Weight of capsule		kg	0.37
Weight of complete meter		kg	0.62

**PRECISION CURVE**



DN 20 MCI

**OPTIONS**

Glass/metal copper register

## **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](mailto:metering-germany-info@diehl.com)

Diehl Metering GmbH  
Donaustraße 120  
90451 Nürnberg  
Germany  
Phone: +49 911 6424-0  
[metering-germany-info@diehl.com](mailto:metering-germany-info@diehl.com)  
[www.diehl.com/metering](http://www.diehl.com/metering)

**EMPOWER A  
SUSTAINABLE  
FUTURE**