

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 ₃	m ³ /h	4
R standard*	Q ₃ /Q ₁		160
Starting flow rate		l/h	0.6
Minimum flow rate*	Q ₁	l/h	25**
Transitional flow rate*	Q ₂	l/h	40
Overload flow rate	Q ₄	m ³ /h	5
Head loss at Q ₃		bar	0.6

*Other values on request

**Based on R 160

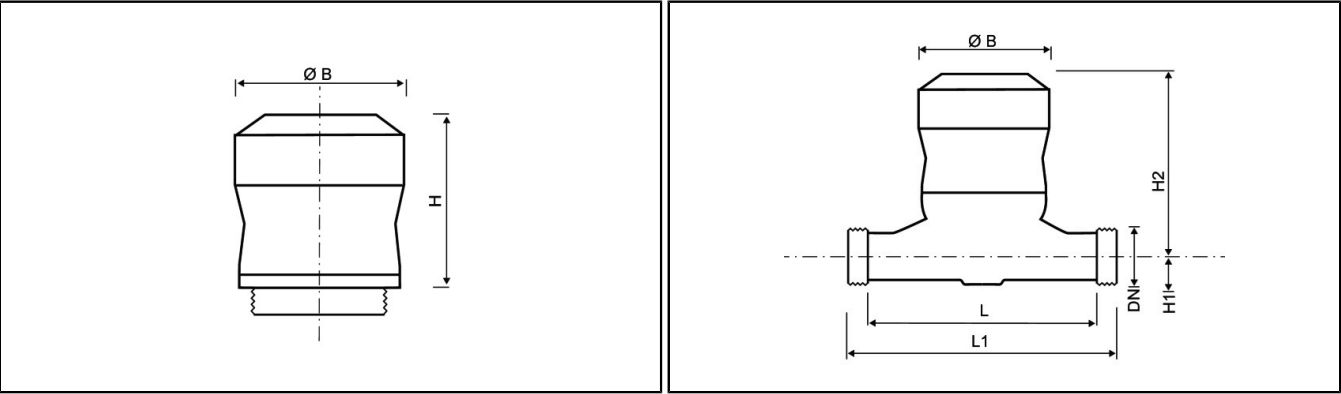
APPROVAL

ALTAIR MCI V5 COMPOSITE		
MID Approval		LNE - 39018 Type A3
Standards		ISO 4064 OIML R49
Dynamic range (Q ₃ /Q ₁)	R	40 80 160
Potable water		ACS AoC DEU Belgaqua PZH WRAS

TEMPERATURE AND PRESSURE

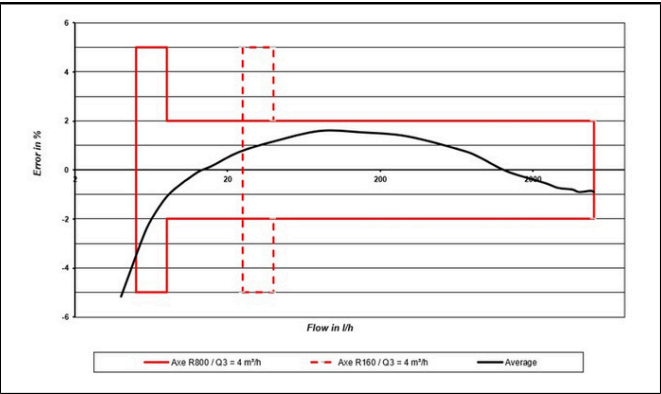
ALTAIR MCI V5 COMPOSITE		
Water temperature	°C	0.1 ... +50
Ambient temperature	°C	+1 ... +55
Ambient storage temperature	°C	-10 ... +55
Nominal pressure	bar	16

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

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

**EMPOWER A
SUSTAINABLE
FUTURE**