



Multimag TMII

Multijet Water Meter - DN15 to DN20

Multimag TMII is a multi-jet velocity meter designed for cold water applications. Engineered for long-term performance, it delivers consistent and reliable measurement even in harsh environments and challenging installation conditions. Its robust design helps utilities secure revenue and maintain uninterrupted operations.



Long-term durability

Proven multi-jet technology ensures long-lasting hydraulic performance and consistent measurement accuracy across various installation and weather conditions. Built with high-quality materials, Multimag TMII meter incorporates a balanced turbine design to minimize wear and ensure meter durability.

Cyble modules are field-tested for over 20 years, resistant to magnetic fraud, and designed for long-term use (up to 15 years).



Easy to Maintain

Durable and easy to service with features like internal filters and replaceable components.



Smart Metering with Cyble™

- Multimag™ TMII meters are compatible with Cyble communication modules, offering:
- » Multiple data collection options: AMR, AMI (depending on Cyble model).
 - » Integration with Temetra or third-party data management systems.
 - » Leak detection to reduce water loss.
 - » Reverse flow and fraud detection.
 - » Consumer usage insights for better demand management.
 - » Compatible with the following communication modules:
 - Wireless connection: Cyble 5 (LoRa and wMBus) and Cyble AnyQuest RF.
 - Wired connection: Cyble M-Bus and Cyble Sensor (pulse).

Improve billing efficiency with Cyble 5

With a hassle-free clip-on design requiring no wiring or wall mounting, Cyble 5 seamlessly converts mechanical meters into communication data points, improving billing efficiency with fast drive-by (AMR) and AMI data collection. Engineered for flexibility with embedded multi-connectivity options, it adapts to complex deployments and evolves with field requirements, ensuring a secure and long-term investment.

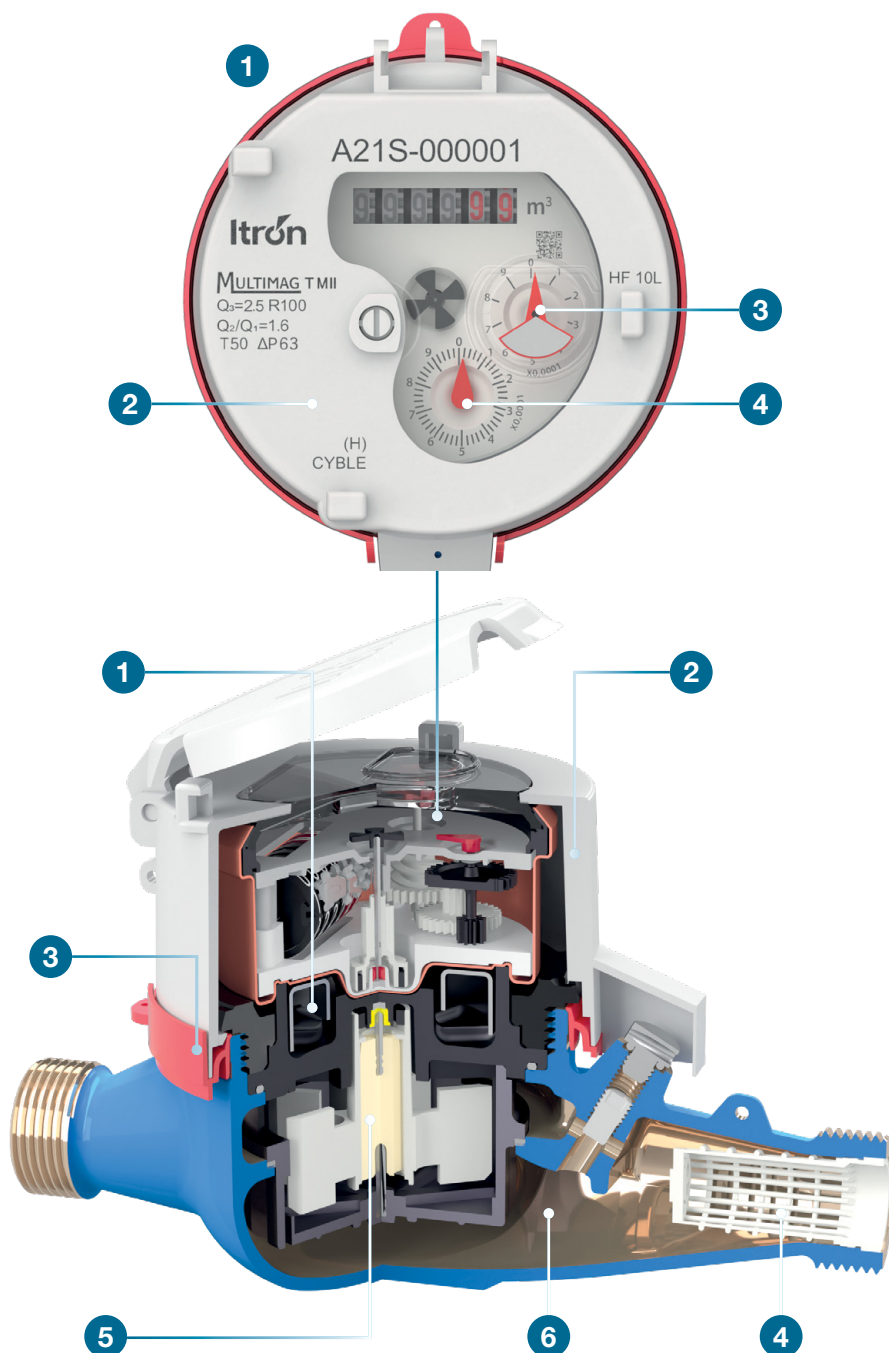


KEY FEATURES

- » Dry register type enhances reliability and protects against environmental disturbances.
- » IP68 hermetically sealed register is dust-tight and submersion-proof, reducing maintenance needs and extending meter life.
- » Rotatable register orientation simplifies consumption reading in varied installation setups. (Optional)
- » Anti-Fraud 3G System prevents tampering, reduces theft, and protects utility revenue.
- » AMR/AMI Ready with Cyble™ Technology - Enables accurate billing and smooth transition from walk-by/drive-by (AMR) to fixed network (AMI) systems.
- » Meets international standards, such as:
 - MID Directive 2014/32/EU (Europe)
 - ISO 4064 (and derived standards)
 - OIML R-49
 - SNI 2547-2008 (Indonesia)

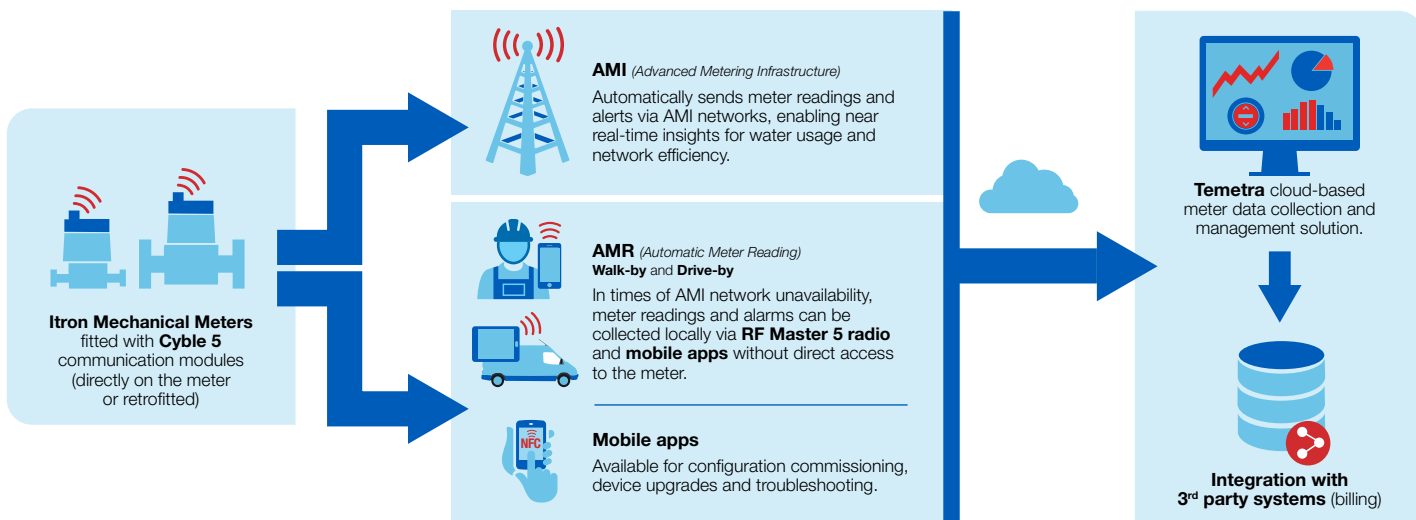
- 1 Register**
Made of tempered glass and copper, extra dry, resistant to condensation and waterproof (IP68). Ready to support Cyble module for AMR.
- 2 Space for customer logo**
(additional option)
- 3 Cyble Pointer (1L)**
- 4 0.1L Pointer**

- 1 Magnetic Shield**
Special magnetic shield protection can be provided upon request.
- 2 Cap/Cover**
Made of high-quality materials and resistant to ultraviolet rays, making it suitable for conditions in various installation conditions.
- 3 Anti-Fraud 3G System**
Multimag is specially designed with features to prevent tampering and to clearly indicate fraud marks, helping water utilities avoid losses.
- 4 Strainer/Filter**
Multimag is by default equipped with a strainer (filter) to protect the propeller from damage due to unwanted particles.
- 5 Turbine Design**
The propeller and axle are made of stainless steel with sapphire stone pivot ensuring durability and long-term performance.
- 6 Water Meter Body**
Copper alloy body with excellent tensile strength. The external coating ensures surface layer protection.



INTEROPERABLE BY DESIGN

Multimag meters are ready for smart upgrades with plug-and-play Cyble modules, enabling seamless AMR and AMI communication. Our Temetra platform powers advanced analytics and remote management. Utilities rely on Itron's end-to-end solution to reduce consumption, tackle non-revenue water, and improve operational efficiency.



Technical Characteristics

Diameter Nominal (DN)		mm	15				20		
		inches	1/2"				3/4"		
Ratio	(Q3/Q1)	mm	50	100			50	50	100
Approval		MID / ISO4064*							
Minimum flowrate	(Q1)	l/h	32	50	16	25	50	80	40
Transitional flowrate	(Q2)	l/h	51	80	26	40	80	128	64
Permanent flowrate	(Q3)	m³/h	1.6	2.5	1.6	2.5	2.5	4.0	
Maximum flowrate	(Q4)	m³/h	2.0	3.125	2.0	3.125	3.125	5.0	
Typical Starting flow		l/h	< 10				12		
Accuracy Class		2							
Temperature Class		°C	T50						
Installation Position		Horizontal							
Pressure Loss Class (at Q3)		bar	ΔP63						
Maximum Admissible Pressure (MAP)		bar	16						
Sensitivity class		U0 / D0							
Maximum reading		l	9999.99 or 99999.99						
Minimum reading		m³	0.02						
Climatic Environment		°C	-10 / +70						

* MID : LNE-18726 rév. 5 / ISO 4064/2017: LNE-35521 rév. 1

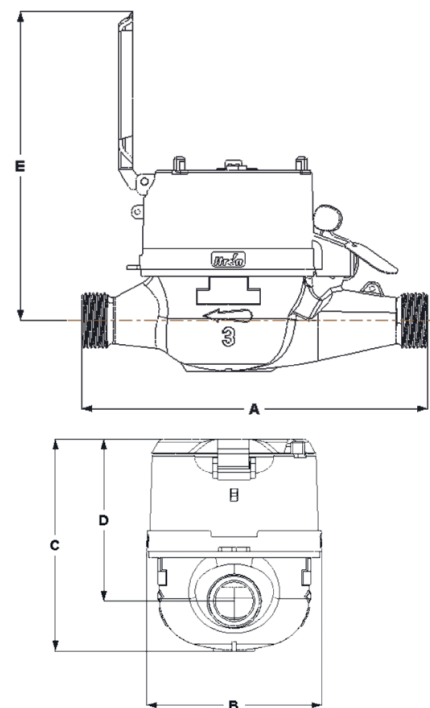
Dimensions

Nominal diameter (DN)	mm	15	20
	inches	1/2"	3/4"
Thread Connections*	inches	G 3/4" B	G 1" B
A (Body Length)	mm	165	190
B	mm	85	
C	mm	104	
D	mm	80	
E	mm	148	
Weight**	Kg	0.90	1.10

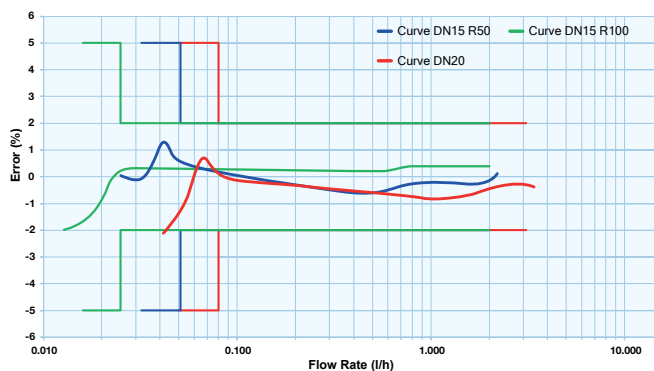
* Other standards are also available. Please contact Itron for more information.

** Weight may vary depending on meter configurations.

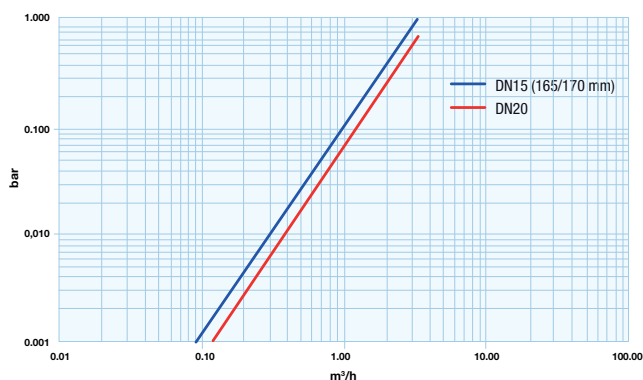
Dimensions



ACCURACY CURVE



HEAD LOSS CURVE



Typical Multimag Water Meter accuracy curve according to ISO4064 channel and head loss characteristics.



To learn more about Itron's commitment to sustainable solutions, read our [ESG report](#).

To learn more visit [itron.com](https://www.itron.com)

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