

ELECTO MVM +



ELECTRONIC VOLUMETRIC METER

ElecTo MVM + is a rotary piston meter for domestic water, equipped with an innovative multiprotocol radio electronic register. Flat-bottom, moulded brass case for easy installation. Its inner cage improves measurement performance and provides better resistance against suspended solids. Its low starting flow rate and its wide measuring range provide excellent consumption accounting. Its large LCD display makes it very easy to read, while providing additional information to both users and operators. ElecTo MVM + offers the maximum short and long distance data communication flexibility, and can be used with both mobile and fixed reading systems.

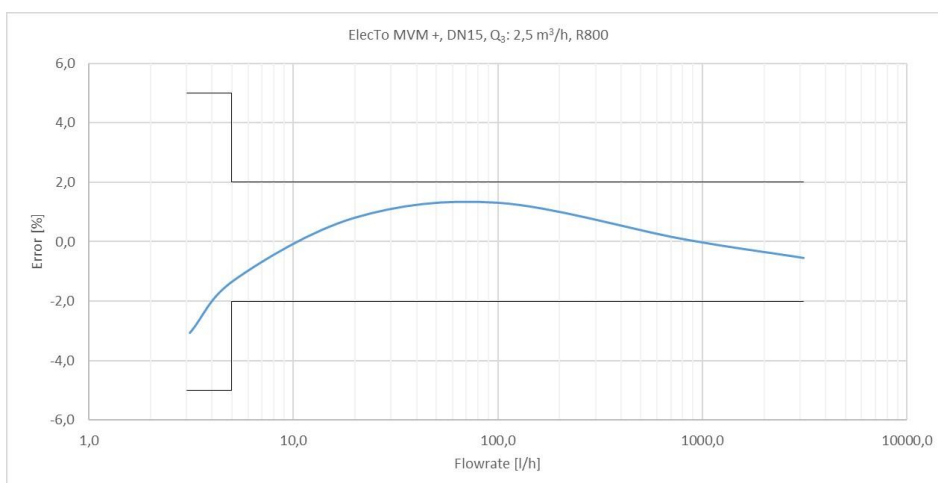
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FEATURES

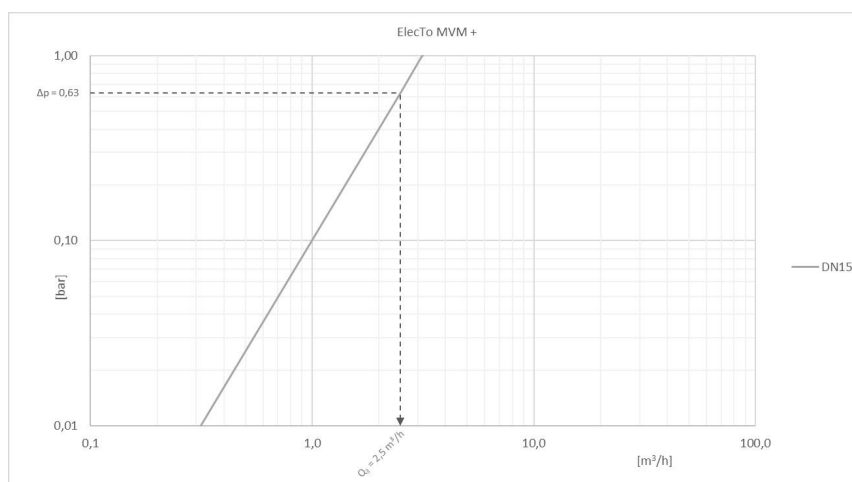
- Electronic volumetric rotary piston meter
- DN: 15
- MID: R MAX 800
- Health certifications available for a number of countries
- Rotating register with IP68 rating
- Datalogging with a storage capacity of over 11,000 values
- Integrated wM-Bus, OMS and/or LoRaWAN radio
- Optimized antenna for maximum radio range
- Lithium battery with a minimum life of 13 years in dual mode (varies depending on the configuration chosen)
- Fault detection: fraud, probable leak, overconsumption, reverse flow, blocked meter and reversed meter
- Programming and testing kit available upon request



TYPICAL ERROR CURVE



HEAD LOSS DIAGRAM



METROLOGICAL PERFORMANCE

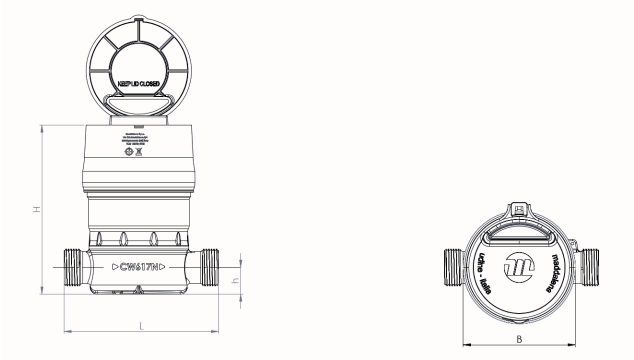
Size	mm	15
	in	½
Module B no.		TCM 142/14 – 5200
Module D no.		0119-SJ-A010-08
Q ₃ /Q ₁ = R Referred to installation position		Tutte ≤ 800
MID standard performance *		
Q ₃	m ³ /h	2,5
Q ₄	m ³ /h	3,13
R		400
Q ₁	l/h	6,25
Q ₂	l/h	10

* Other values of R available upon request.

TECHNICAL DATA

Maximum permissible error between Q ₁ and Q ₂ (excluded)		+/- 5%
Maximum permissible error between Q ₂ (included) and Q ₄		+/- 2% with water temperature ≤ 30°C
Temperature class		T30
Flow profile sensitivity classes		U0 – D0
Starting flow rate	l/h	0,4
Head loss		ΔP63
Nominal pressure	bar	16
Maximum reading	m ³	999.999
Minimum reading	l	1
Indicative weight	kg	0,74

DIMENSIONS



Size	mm	15
	in	1/2
Thread	in	G 3/4 B
L	mm	110 / 115 / 145 / 165 / 170
H	mm	127
h	mm	19
B	mm	80

COMMUNICATION MODULES



For more information on all the accessories available, consult the specific technical data sheets on the website www.maddalena.it