



Electronic Index Mechanical Water Meters

Traditional Mechanical Reliability Meets Digital Precision

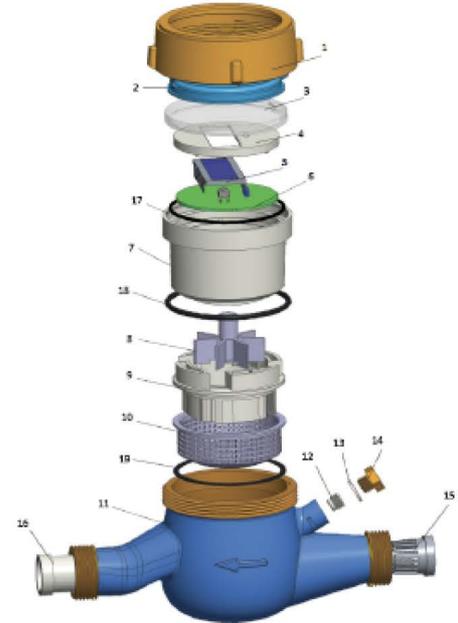
The Euromet AYSU YLZ-D-XX-Y series represents a new generation of water meters that combines the robustness of mechanical measurement technology with the precision and readability of an electronic calculation unit. Available in sizes ranging from DN15 to DN40 with various body material options, it offers the ideal solution for residential and commercial applications.

Key Features:

- **Hybrid Technology:** It features a mechanical turbine measurement system that transmits rotation via a magnetic coupling to an electronic calculator for precise volume recording.
- **High Measurement Precision (R250):** Superior to standard mechanical meters, it offers a Q3/Q1 measurement ratio of R250, ensuring accurate measurement even at very low flow rates.
- **Long Battery Life:** Powered by a non-replaceable lithium battery with a service life exceeding 10 years.
- **Clear Readability:** Equipped with an 8-digit LCD display that eliminates reading errors by clearly showing volume, flow rate, and status information.
- **Material Options:** Available with either a **Brass (B)** or **Composite (C)** body to suit different installation requirements.

Security and Compliance

- **Tamper Protection:** The threaded ring protecting the electronic calculator is sealed together with the meter housing to prevent unauthorized access.
- **Check Valve (Optional):** An optional non-return valve can be installed in the outlet channel without affecting the metrological seal.
- **Certification:** Fully compliant with the MID 2014/32/EU Directive, OIML R 49, and EN ISO 4064 standards.



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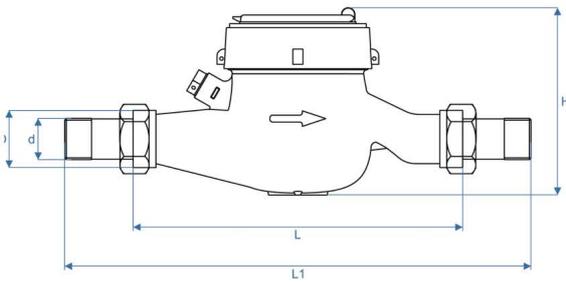


YLZ-D-xx-Y

Data Sheet

	YLZ-D-15-Y	YLZ-D-20-Y	YLZ-D-25-Y	YLZ-D-32-Y	YLZ-D-40-Y
Diameter - mm	DN15	DN20	DN25	DN32	DN40
Overload flowrate Q_4	$\leq 3,125$	$\leq 5,00$	$\leq 7,875$	$\leq 12,5$	$\leq 20,0$
Permanent flowrate Q_3	$\leq 2,50$	$\leq 4,00$	$\leq 6,30$	$\leq 10,00$	$\leq 16,00$
Transitional flowrate Q_2	$\geq 0,016$	$\geq 0,0256$	$\geq 0,0403$	$\geq 0,064$	$\geq 0,1024$
Minimum flowrate Q_1	$\geq 0,010$	$\geq 0,016$	$\geq 0,0252$	$\geq 0,040$	$\geq 0,064$
Measuring range (R) Q_3/Q_1	≤ 250				
Accuracy Class	2				
Temperature class T	T 50				
Water pressure class Bar	MAP 16				
Horizontal length mm	110-190	160-190	160-260	200-300	270-300
Pressure loss class Bar	$\Delta P 63$				
Flow profile sensitivity class	U0 D0				
Orientation	H (Yatay)				

Dimensions



Size	DN 15	DN 20	DN 25	DN 32	DN 40
L	165	190	260	260	300
L1	259	294	380	384	431
D	G3/4	G1B	G1 ^{1/4} B	G1 ^{1/2} B	G2B
d	R ^{1/2}	R ^{3/4}	R1	R1 ^{1/4}	R1 ^{1/2}
H	107,5	107,5	117,5	117,5	141,5