



CSKN-xx-Y

Smart Card Prepaid Water Meter

The AYSU CSKN series is a state-of-the-art Prepaid Water Meter that combines European Standard (MID) measurement precision with advanced Smart Card technology. Designed for both residential and commercial applications, this system allows users to pay for water in advance, eliminating billing uncertainties for consumers and collection risks for utility providers.

Available in corrosion-resistant Brass or high-strength Composite body options, the CSKN series ensures long-lasting performance even in harsh conditions.

Key Features

- Smart Card Technology: Integrated prepaid unit allows for easy credit loading via a secure smart card. The valve closes automatically when credit is exhausted.
- MID Certified Accuracy: Fully compliant with Directive 2014/32/EU and OIML R 49 standards, offering high measurement accuracy up to **R200**.
- Dry Dial Mechanism: The indicator mechanism is vacuum-sealed and completely isolated from water, ensuring the dial remains fog-free and readable regardless of water quality.
- Robust & Durable: Built with IP68 protection against dust and water immersion.
- Material Options: Available in **Brass** (Type B) or **Composite** (Type C) body materials to suit different installation environments.
- Magnetic Protection: Equipped with a magnetic coupling system that minimizes the effect of external magnetic interference.

Key Benefits

- For Utilities: Eliminates costs associated with bill distribution, manual meter reading, and payment collection.
- For Subscribers: Prevents unexpected "surprise" bills and allows for real-time monitoring of water consumption.
- Security: Features advanced electronic and mechanical security measures against tampering, external magnetic interference, or unauthorized opening of the casing.



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CSKN-XX

Data Sheet

Diameter - mm

CSKN-15

DN15

CSKN-20

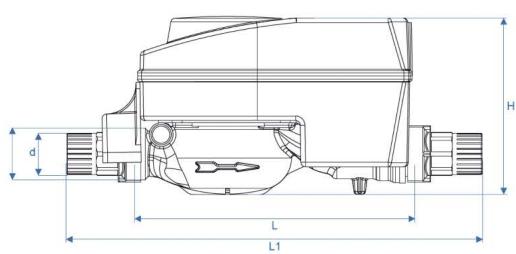
DN20

CSKN-25

DN25

Overload flowrate Q ₄	≤ 3,125	≤ 5,00	≤ 7,875
Permanent flowrate Q ₃	≤ 2,50	≤ 4,00	≤ 6,30
Transitional flowrate Q ₂	≥ 0,020	≥ 0,032	≥ 0,0504
Minimum flowrate Q ₁	≥ 0,0125	≥ 0,020	≥ 0,0315
Measuring range (R) Q ₃ /Q ₁	≤ 200		
Accuracy Class	2		
Temperature class T	T 50		
Water pressure class Bar	MAP 16		
Horizontal length mm	165-190	190	260
Pressure loss class Bar	ΔP 63		
Flow profile sensitivity class	U0 D0		
Orientation	H (Yatay)		

Dimensions



Size	DN 15	DN 20	DN 25
L	190	190	260
L1	265	265	300
D	G3/4B	G1B	G1 ^{1/4} B
d	R ^{1/2}	R ^{3/4}	R1
H	119	119	127

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