

MAGNETIC FLOW MEASUREMENT BUILT FOR DATA CENTER COOLING

Proven Emerson performance, designed to meet data center specifications and support fast, large-scale deployments

Rosemount™ 8795 Magnetic Flow Sensor for Data Center Cooling Systems

Data center cooling systems depend on accurate, stable flow measurement to maintain uptime and efficiency. Designed specifically for water and water-glycol cooling applications, the Rosemount 8795 Magnetic Flow Sensor delivers the performance, flexibility, and reliability required for today's rapidly expanding data center infrastructure.

- **Native dual output** in an integral meter to support both local control and monitoring requirements
- **±0.2% accuracy** to meet demanding cooling system performance specifications
- **0D (zero-diameter) installation** with an optional Short Run Installation software upgrade delivers accurate measurement where traditional straight-run requirements cannot be met
- **Smart Meter Verification and condition-based diagnostics** provide continuous insight into meter health
- **Historian with real-time clock** enables traceability, security and operational insights

Why Data Centers Choose Emerson

- Global scale to support rapid data center expansion
- Fast delivery timelines to support aggressive data center build schedules
- Streamlined selection and specification to keep projects moving
- Decades of proven industrial performance and reliability for the demands of mission-critical data center infrastructure

Emerson Support Across the Data Center Lifecycle

Data center projects demand consistency and scalability. Emerson supports design, installation, operation, and maintenance with global expertise, helping reduce risk and simplify execution as systems scale.



Rosemount 8795 Magnetic Flow Sensor with Rosemount 9732 Magnetic Flow Transmitter

ROSEMOUNT MAGNETIC FLOW METERS

Specifications for Rosemount 9732 Transmitter with Rosemount 8795 Sensor

Accuracy	0.2% ± 2mm/s 1m/s to 10m/s
Zero Diameter Accuracy	0.5% at OD with Short Run Install; 0.1% repeatability
Minimum Conductivity	5µS/cm
Approvals	IEC 61010; IPX7; NEMA 4
Process Temperature	-20°C to 60°C; -4°F to 140°F
Ambient Temperature	-20°C to 60°C; -4°F to 140°F
Maximum Pressure	284 PSI
Remote Installation	Not Supported
Standard Diagnostics	Grounding and Wiring Fault Detection; Smart Meter Verification Basic
Optional Software	Smart Meter Verification Professional; Historian with Real Time Clock; Data Logger



Specifications for Rosemount 8700 Transmitter with Rosemount 8795 Sensor

Accuracy	0.2% ± 2mm/s 1m/s to 10m/s
Zero Diameter Accuracy	~1.0% at OD; 0.1% repeatability
Minimum Conductivity	5µS/cm
Approvals	IEC 61010; IPX7; NEMA 4
Process Temperature	-20°C to 60°C; -4°F to 140°F
Ambient Temperature	-20°C to 60°C; -4°F to 140°F
Maximum Pressure	284 PSI
Remote Installation	500 ft / 152,4m maximum distance
Standard Diagnostics	Grounding and Wiring Fault Detection
Optional Software	Smart Meter Verification



For more information, visit
[Emerson.com/MagneticFlowMeters](https://www.emerson.com/MagneticFlowMeters)

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