



M9.35-M9.45 Conductivity Monitors and Transmitters

Engineered for
next-level
precision in every
water process



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FLS M9.35–M9.45 Series: Advanced Conductivity Monitoring for Industrial & Ultrapure Water

The **FLS M9 Series** provides accurate, stable and easy-to-read conductivity measurements across a wide range of industrial and ultrapure water applications. Equipped with a **brilliant 4" transfective display, flexible configuration options** and a **rugged design**, the M9.35 and M9.45 models ensure full visibility of all operating parameters—even in demanding environments.

The M9.45 device supports Modbus RTU protocol over RS-485, enabling real-time data access, seamless system integration and enhanced process optimization thanks to reliable connectivity.

Designed to fit within the broader FLS analytical portfolio, the M9 Series can be paired with our conductivity, resistivity and TDS probes to create a fully integrated measurement solution. This allows for more reliable control, improved efficiency and smarter water management processes.

More control. More accuracy. More performance.

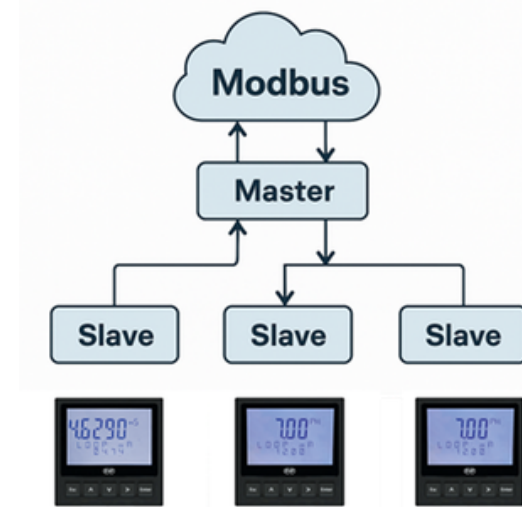


Main Technical Features:

- **Multiple visualization** of Conductivity, Resistivity or TDS
- **Configurable Cell Constant**, compatible with any 2-cell conductivity probe on the market
- **Temperature compensation specifically** designed for ultrapure water (UPW) applications
- **Transfective technology display with backlight**
- **Conductivity input range:** 0.055 ÷ 200000 $\mu\text{S}/\text{cm}$
- **Conductivity measurement accuracy:** $\pm 2.0\%$ of reading
- **Supply voltage:** 12–24 VDC $\pm 10\%$ (regulated)
- **Max electrical consumption:** < 300 mA

Applications:

- Water treatment and regeneration
- Industrial wastewater recovery and treatment
- Softening and filtration systems
- Desalination
- Demineralised water production
- Reverse osmosis / EDI
- Cooling system monitoring
- Manufacturing processes
- Chemical production



Main advantages of Modbus RTU*

- ✓ Reduction of wiring and installation costs
- ✓ High compatibility with international standards
- ✓ Reliable signal transmission even in harsh environments
- ✓ Remote configuration capability
- ✓ Simple and cost-effective scalability

(*) RTU = Remote Terminal Unit