FLS M9.35

Conductivity Monitor and Transmitter

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The FLS M9.35 is a high-performance device designed for industrial and water treatment applications, including ultrapure water production. The large 4" display with high-brightness backlight ensures clear reading of values even from a distance, showing conductivity, resistivity, or TDS according to requirements.
The freely configurable cell constant allows the use of any 2-cell conductivity probe, ensuring maximum flexibility.
The 4-20 mA analog output enables transmission of measurement data to remote systems for precise and reliable process control.

CONDUCTIVITY MONITOR AND TRANSMITTER

APPLICATIONS

- Water treatment and regeneration
- Industrial wastewater treatment and recovery
- Softening
- Filtration systems
- Desalination
- Production of demineralised water
- Reverse osmosis/EDI
- cooling monitoring
- Processing and manufacturing industry
- Chemical production

MAIN CHARACTERISTICS

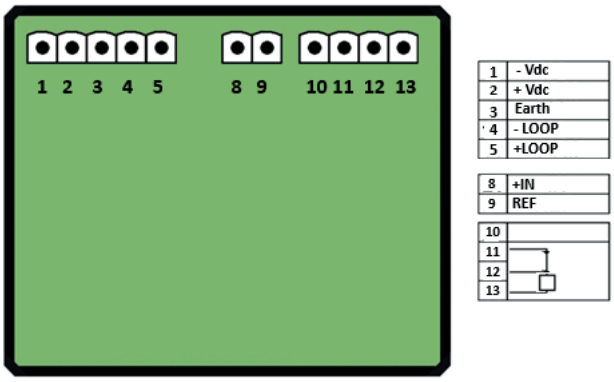
- Large graphic display with backlight
- Temperature compensation dedicated to the production and use of ultrapure water (UPW)
- Freely settable cell constant
- Values in conductivity, resistivity, TDS

TECHNICAL DATA	
General information	**Compatible sensors**: conductivity sensors and temperature sensors
	Materials: – Case: ABS – Display: PC – Panel and wall gasket: silicone rubber – 5-button keyboard: silicone rubber
	Display: – Transflective technology – Update rate: 1 second – Protection class: IP65 front
	Conductivity input range: 0.055÷200000 µS/cm (according to the applied cell constant)
	Conductivity measurement accuracy: ±2.0% of reading value
	Temperature input range: 0÷100 °C, 32÷212 °F (with Pt100-Pt1000)
	Temperature measurement resolution: 0.1°C/°F (Pt1000); 0.5°C/°F (Pt100)
Electrical data	**Supply voltage:** from 12 to 24 VDC ±10% regulated
	Max electrical consumption: < 300 mA
	1 current output: – 4-20 mA, isolated, fully adjustable and reversible – Max loop impedance:800 Ω @ 24 VDC - 250 Ω @ 12 VDC
Environmental data	**Operating temperature:** from –10 °C to 70 °C (from 14°F to 158 °F)
	Storage temperature: from -30°C to +80°C (from -22°F to +176°F)
	Relative humidity: from 0 to 95% not condensing

Standards & Approvals	Manufactured under ISO 9001 Manufactured under ISO 14001 CE RoHS Compliance EAC

ELECTRICAL CONNECTIONS

Rear view of electrical connections



PRODUCT CODES

M9.35.PX - M9.35.WX

Conductivity Monitor and Transmitter

Code	Mounting	Power supply	wires power Technology	Sensor Input	Output	Weight (gr.)
M9.35.P1	Panel	12 - 24 VDC	3/4 wires	Conductivity Temperature	1 (4-20mA)	550
M9.35.W1	Wall	12 - 24 VDC	3/4 wires	Conductivity Temperature	1 (4-20mA)	650
M9.35.W2	Wall	110 - 230 VAC	3/4 wires	Conductivity Temperature	1 (4-20mA)	750