

MEC Series

Digital Conductivity / Salinity / TDS Sensor



Your Benefits

- **Robust design;**
Highest level of durability, waterproof and dustproof sensor for site measurement.
- **Built for Remote Monitoring & Control System**
Capable of providing real-time measurement over a long distance with uncompromised precision.
- **Reliable measurement;**
High quality electrode for accurate EC measurement.
- **Easy calibration;**
Calibration can be done via any RS-485 master controller.

Specifications

Parameter	Conductivity	Salinity	TDS
Measuring Range	0.00 μ S/cm – 2000 mS/cm	0.00 – 78.00 g/kg	0 – 133000 ppm
Measuring Resolution	0.01	0.01	1
Measuring Accuracy	$\pm 2\%$ F.S.	$\pm 2\%$ F.S.	$\pm 2\%$ F.S.
Cell Constant	0.0001 to 20.0000		
Temperature Compensation	NTC		
Temperature Range	0 to 60°C		
Temperature Resolution	0.1°C		
Temperature Accuracy	$\pm 0.2^\circ\text{C}$		
Storage Temperature	-20°C to +70°C		
Communication	Modbus RTU Protocol		
Baud Rate	9600		
Protection Class	IP68		
Power Supply	9 to 30 VDC, <13mA @ 24 VDC		
Weight	1 kg		
Material	POM & Stainless Steel 316L		
Cable Length	7 m; Other ranges are upon request		

Applications



Agriculture



Cooling Tower



Semiconductor



River Monitoring