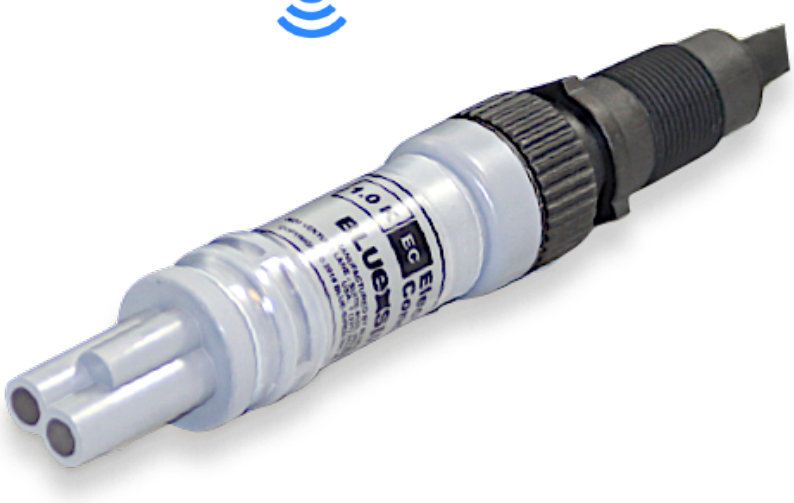
INDUSTRIAL EC SENSOR
Electrical Conductivity



- Fully Submersible
- Max Pressure Of 200 PSI
- Temperature Range Of 0-110ºC
- Embedded Conductivity Circuit
- Continuous 1 Reading Per Second

Technical Specifications:

Body Material:	CPVC, Graphite, Viton
Temp. Probe Type	Class A Platinum, RTD
Reads:	Conductivity = µS/cm Total Dissolved Solids = ppm Salinity = PSU (ppt) 0.00 - 42.00
Response Time:	1 Reading Per Second
Max Depth:	60m (197ft)
Max Pressure:	200 PSI
Range:	5 - 200,000 µS/cm
Accuracy:	+/- (0.15 + (0.002*t))
Operating Voltage:	3.3V - 5V DC
Temperature Range ºC:	0°C to 110°C
Temp. Compensation	Yes
Cable:	3 Meters (10 Feet)
Data Protocol:	UART and I²C
Data Format:	ASCII

Electrical Conductivity

Easily measure and monitor EC levels for industrial, water and wastewater applications.

Two electrodes are stored opposite of each other in the EC probe. When power is applied cations move to the negative electrode while anions move to the positive electrode. The higher the number of free electrolytes in the fluid the higher the EC reading.

This high-temperature resistant sensor is great for industrial application for any fluids up to 60m in depth.