



EC6000 Controller With USB Feature



EC800 Controller

Conductivity / Resistivity / Salinity / TDS Analyzer

High accuracy and reliable analyzer providing better compliance and process control.

Applications



Cooling Tower



Agriculture



RO/DI Water



Utilities



Wastewater



Process Water

In A Glance...

Leadtec EC6000 & EC800 controllers offer an unrivaled user friendliness in measurement of Conductivity, Resistivity, Salinity and Total Dissolved Solids (TDS). Its minimalistic design offers the most convenient operation than any analyzers.

The operation and calibration can be performed easily with a friendly step-by-step interface.

From pure water to wastewater applications, our controller is very practicable in many situations thanks to flexibility for different ranges of measurement.

Besides, the controller is well-equipped with analogue output and Field Bus Connection RS-485 communication.

Benefits

- ❖ Robust & reliable: Highest level of waterproof and dustproof analyzer for site measurement and easy installation.
- ❖ Less is more; Having just the essential features are better than having way too much of superfluous things.
- ❖ Intuitive operation; Step-by-step navigation facilitates the user to configure the analyzer and calibrate the sensor.
- ❖ Clean-cut display; Neat and organized functions allow zero hassle operation.

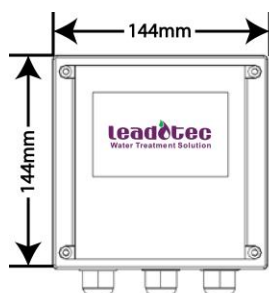
Specifications

Measuring Range	Conductivity: 0.00 uS/cm – 2000 mS/cm Resistivity: 0.00 – 20.00 MΩ/cm Salinity: 0.00 – 78.00 g/kg TDS: 0 – 133000 ppm
Resolution	Conductivity: 0.01 / 0.1 / 1 Resistivity: 0.01 Salinity: 0.01 TDS: 1
Accuracy	±1% F.S.
Temperature Probe	Pt 1000 / NTC 30K
Temperature Range	-10.0°C to +130.0°C
Temperature Resolution	0.1°C
Temperature Accuracy	±0.2°C
Ambient Temperature	0°C to +70°C
Input Impedance	>10 ¹² Ω
Analogue Output	2 x 4-20mA electrically isolated, Max load 500Ω Current 1 Conductivity / Resistivity / Salinity / TDS Current 2 Temperature
Control Outputs	2 x Relay Outputs 1 x Multifunctional Relay

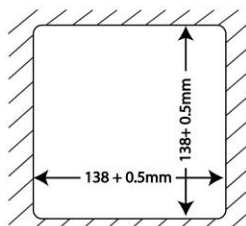
Max. Relay Contacts Capacity	5A/250 VAC 5A/30 VDC
Cleaning Setting	ON : 1 to 1000 seconds OFF : 0.1 to 1000.0 hours
Multifunctional Relay	Clean / Period Alarm / Error Alarm
Relay Delay	0 to 120 seconds
Fieldbus Connection	RS-485 Modbus
Baud Rate	9600 / 19200 / 38400
Protection Class	IP65
Display	LCD dot matrix
Language Selection	English Others upon request
Electrical Connection	90 to 260 VAC or 24 VDC Power consumption <5W
Data Logging Capacity	500,000
USB Function (EC6000 only)	Data extraction Software update
Dimensions	EC6000 144(H) x 144(W) x 105(D) mm EC800 108(H) x 108(W) x 140(D) mm
Panel Cutout	EC6000 138 x 138 mm EC800 92 x 92 mm
Weight	EC6000 0.85 kg EC800 0.55 kg
Installation	Panel / Wall / Pipe mount

Dimensions

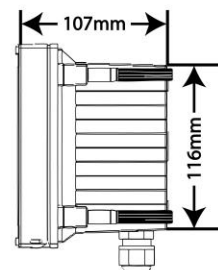
6000 Series



FRONT VIEW

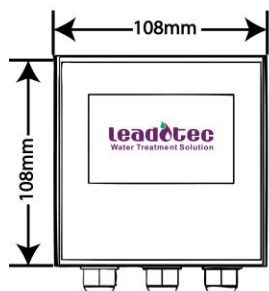


PANEL CUTOUT VIEW

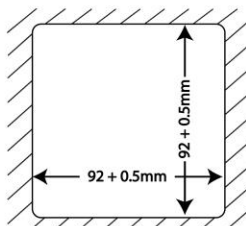


SIDE VIEW

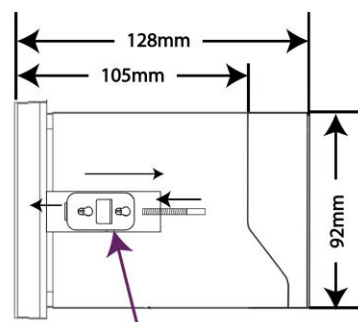
800 Series



FRONT VIEW



PANEL CUTOUT VIEW



SIDE VIEW

Design outlook subjected to change without prior notice.

Dimensions of EC6000 and EC800

Order Code

Part No.	Description
EC6000	Conductivity / Resistivity / Salinity / TDS IP65 Panel / Wall / Pipe mounted base analyzer fitted with 2 x 4-20mA, 2 x relay outputs, 1 x multifunctional relay, RS-485 Modbus, and 1 x USB slot for data extraction and software update. Power supply: 90~260 VAC
EC800	Conductivity / Resistivity / Salinity / TDS IP65 Panel mounted base analyzer fitted with 2 x 4-20mA, 2 x relay outputs, 1 x multifunctional relay, and RS-485 Modbus. Power supply: 90~260 VAC
EC6000-24VDC	Conductivity / Resistivity / Salinity / TDS IP65 Panel / Wall / Pipe mounted base analyzer fitted with 2 x 4-20mA, 2 x relay outputs, 1 x multifunctional relay, RS-485 Modbus, and 1 x USB slot for data extraction and software update. Power supply: 24 VDC
EC800-24VDC	Conductivity / Resistivity / Salinity / TDS IP65 Panel mounted base analyzer fitted with 2 x 4-20mA, 2 x relay outputs, 1 x multifunctional relay, and RS-485 Modbus. Power supply: 24 VDC