



FCLP6000 Controller  
With USB Feature



FCLP800 Controller



Flow cell with sampling  
valve



Constant Voltage  
Free Chlorine Sensor

## Free Chlorine / Chlorine Dioxide / Ozone Analyzer

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

## Applications



Power Industry



RO/DI Water



Drinking Water



Disinfection

## In A Glance...

Leadtec FCLP6000 & FCLP800 controller offers an unrivalled user friendliness in measurement of Free Chlorine, Chlorine Dioxide and Ozone. Its minimalistic design offers the most convenient operation than any analyzers. The controller is well-equipped with analogue output and Field Bus Connection RS-485 communication.

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

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

The operation and calibration can be performed easily with a friendly step-by-step interface by using DPD method. The sensor required no reagent for its operation.

## 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 (Controller)

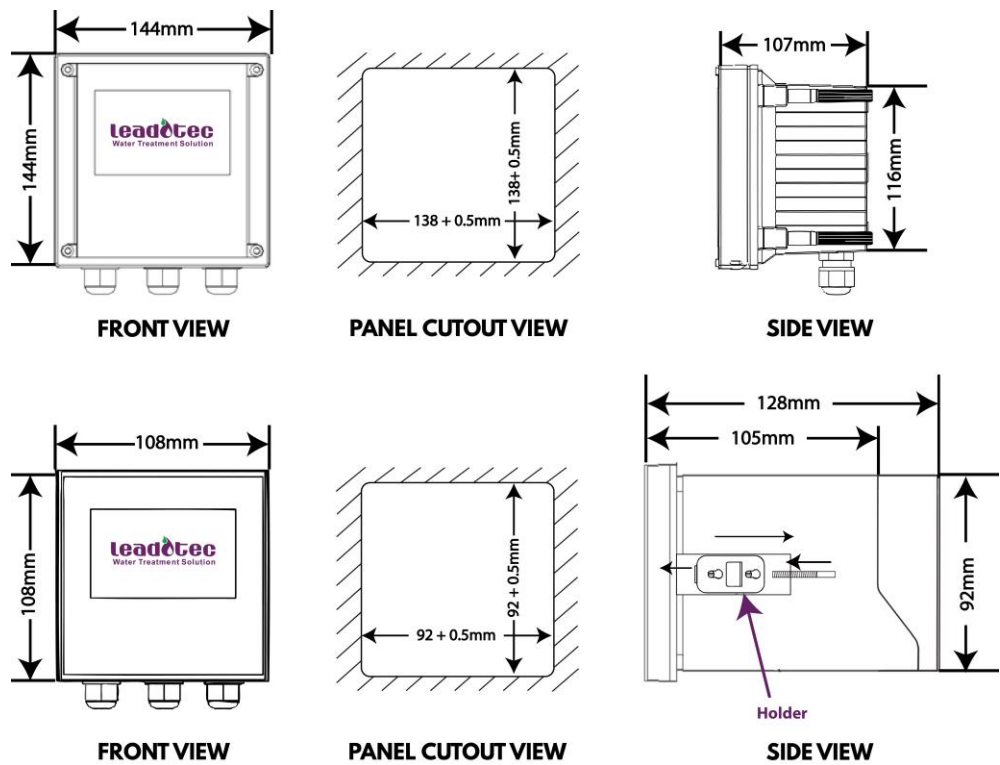
<b>Measuring Range</b>	0.00 – 20.00 ppm 0.000 – 2.000 ppm	<b>Relay Delay</b>	0 to 120 seconds
<b>Resolution</b>	0.01 ppm 0.001 ppm	<b>Fieldbus Connection</b>	RS-485 Modbus
<b>Accuracy</b>	±0.01 ppm ±0.001 ppm	<b>Baud Rate</b>	9600 / 19200 / 38400
<b>Temperature Probe</b>	Pt 1000 / NTC 22K	<b>Protection Class</b>	IP65
<b>Temperature Range</b>	-10.0°C to +130.0°C	<b>Display</b>	LCD dot matrix
<b>Temperature Resolution</b>	0.1°C	<b>Language Selection</b>	English Others upon request
<b>Temperature Accuracy</b>	±0.2°C	<b>Electrical Connection</b>	90 to 260 VAC or 24 VDC Power consumption <5W
<b>Ambient Temperature</b>	0°C to +70°C	<b>Data Logging Capacity</b>	500,000
<b>Input Impedance</b>	>10 <sup>12</sup> Ω	<b>USB Function (FCLP6000 only)</b>	Data extraction Software update
<b>Analogue Output</b>	2 x 4-20mA electrically isolated, Max load 500Ω  <b>Current 1</b> Free Chlorine Chlorine Dioxide Ozone  <b>Current 2</b> Temperature	<b>Dimensions</b>	<b>FCLP6000</b> 144(H) x 144(W) x 105(D) mm  <b>FCLP800</b> 108(H) x 108(W) x 140(D) mm
<b>Control Outputs</b>	2 x Relay Outputs 1 x Multifunctional Relay	<b>Panel Cutout</b>	<b>FCLP6000</b> 138 x 138 mm  <b>FCLP800</b> 92 x 92 mm
<b>Max. Relay Contacts Capacity</b>	5A/250 VAC 5A/30 VDC	<b>Weight</b>	<b>FCLP6000</b> 0.85 kg  <b>FCLP800</b> 0.55 kg
<b>Cleaning Setting</b>	ON : 1 to 1000 seconds OFF : 0.1 to 1000.0 hours	<b>Installation</b>	Panel / Wall / Pipe mount
<b>Multifunctional Relay</b>	Clean / Period Alarm / Error Alarm		

## Specifications (Sensor)

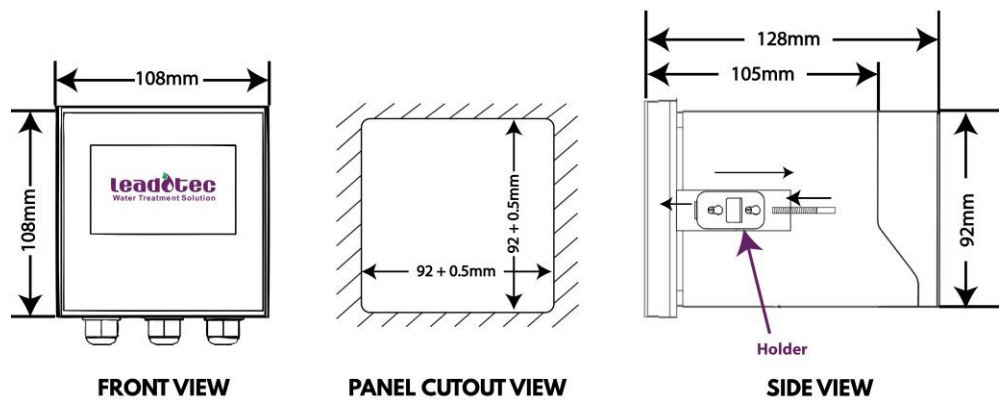
<b>Measuring System</b>	Constant Voltage Electrode	<b>Slope Calibration</b>	DPD-1 Method
<b>Measuring Range</b>	0.00 – 20.00 ppm	<b>Dimension</b>	Diameter : 12mm Length : 110mm
<b>Operating Temperature</b>	0 – 60°C	<b>Body Material</b>	Glass
<b>Resolution</b>	0.1°C	<b>Cable Length</b>	5 meters
<b>Operating Pressure</b>	0 – 5 bar in the flow cell	<b>Connection</b>	PG 13.5 thread
<b>Minimum Flow Rate</b>	0.02 m/s in the flow cell		

# Dimensions (Controller)

## 6000 Series



## 800 Series



Design outlook subjected to change without prior notice.

Dimensions of FCLP6000 and FCLP800 controllers.

# Dimensions (Sensor)

## Sensor (Constant Voltage Type)



Diameter = 12mm  
Length = 110mm

Design outlook subjected to change without prior notice.

Dimensions of Free Chlorine / Chlorine Dioxide / Ozone Sensor.

# Order Code

## Free Chlorine / Chlorine Dioxide / Ozone Controller

Part No.	Description
<b>FCLP6000</b>	Constant Voltage Free Chlorine / Chlorine Dioxide / Ozone 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
<b>FCLP800</b>	Constant Voltage Free Chlorine / Chlorine Dioxide / Ozone IP65 Panel / Wall / Pipe 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
<b>FCLP6000-24VDC</b>	Constant Voltage Free Chlorine / Chlorine Dioxide / Ozone 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
<b>FCLP800-24VDC</b>	Constant Voltage Free Chlorine / Chlorine Dioxide / Ozone IP65 Panel / Wall / Pipe 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

## Free Chlorine / Chlorine Dioxide / Ozone Sensor

Part No.	Description
<b>C-F000-ED1-S05FF</b>	Constant Voltage Free Chlorine / Chlorine Dioxide / Ozone sensor for clean / drinking water application.

## Mounting Kit

Part No.	Description
<b>FL-005</b>	Flow Cell for 12mm Constant Voltage sensor with flow indicator and sample valve.