



PCLG6000 Controller With USB Feature

## pH & Free Chlorine Dual Channel Analyzer

High accuracy and reliable pH & Optical Dissolved Oxygen dual channel analyzer providing better compliance and process control.

## Applications



**Power Industry**



**Boiler Water**



**Wastewater**



**Aquaculture**

## In A Glance...

Leadtec PCLG6000 controller offers an unrivaled user friendliness in measurement of pH and Free Chlorine. 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 wastewater to clean water, 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.

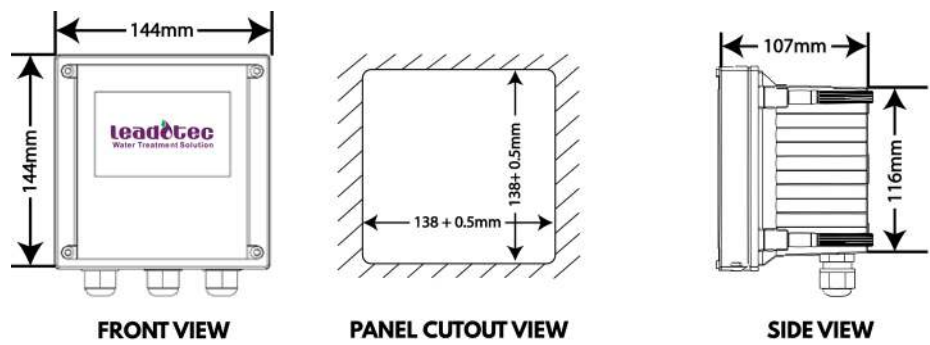
# Specifications

<b>Measuring Range</b>	pH -2.00 to +16.00 pH
	<b>Free Chlorine</b> 0.000 – 2.000 ppm 0.000 – 20.00 ppm 0 – 2000 ppm.
<b>Resolution</b>	pH 0.01 pH
	<b>Free Chlorine</b> 0.001 ppm 0.01 ppm 1 ppm
<b>Accuracy</b>	pH ±0.01 pH
	<b>Free Chlorine</b> ±3%
<b>Temperature Range</b>	-10.0°C to +60.0°C
<b>Temperature Resolution</b>	0.1°C
<b>Temperature Accuracy</b>	±0.2°C
<b>Ambient Temperature</b>	0°C to +70°C
<b>Analogue Output</b>	2 x 4-20mA electrically isolated, Max load 500Ω
	<b>Current 1</b> pH
	<b>Current 2</b> Free Chlorine
<b>Control Outputs</b>	2 x Relay Outputs 1 x Multifunctional Relay
<b>Max. Relay Contacts Capacity</b>	5A/250 VAC
	5A/30 VDC

<b>Cleaning Setting</b>	ON : 1 to 1000 seconds OFF : 0.1 to 1000.0 hours
<b>Multifunctional Relay</b>	Clean / Period Alarm / Error Alarm
<b>Relay Delay</b>	0 to 120 seconds
<b>Fieldbus Connection</b>	RS-485 Modbus
<b>Baud Rate</b>	9600 / 19200 / 38400
<b>Protection Class</b>	IP65
<b>Display</b>	LCD dot matrix
<b>Language Selection</b>	English
	Others upon request
<b>Electrical Connection</b>	90 to 260 VAC or
	24 VDC
	Power consumption <5W
<b>Data Logging Capacity</b>	500,000
<b>USB Function</b>	Data extraction
	Software update
<b>Dimensions</b>	<b>PCLG6000</b> 144(H) x 144(W) x 105(D) mm
<b>Panel Cutout</b>	<b>PCLG6000</b> 138 x 138 mm
<b>Weight</b>	<b>PCLG6000</b> 0.85 kg
<b>Installation</b>	Panel / Wall / Pipe mount

# Dimensions

6000 Series



Design outlook subjected to change without prior notice.

Dimensions of PCLG6000

# Order Code

Part No.	Description
PCLG6000	Dual Channel pH & Digital Free Chlorine 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