



PDO6000 Controller With USB Feature



PDO800 Controller

## Optical Dissolved Oxygen Analyzer

High accuracy and reliable Optical Dissolved Oxygen analyzer providing better compliance and process control.

## Applications



**Power Industry**



**Boiler Water**



**Wastewater**



**Aquaculture**

## In A Glance...

Leadtec PDO6000 & PDO800 controllers offer an unrivaled user friendliness in measurement of Dissolved Oxygen (DO) using optical luminescence. 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 aquaculture, 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.

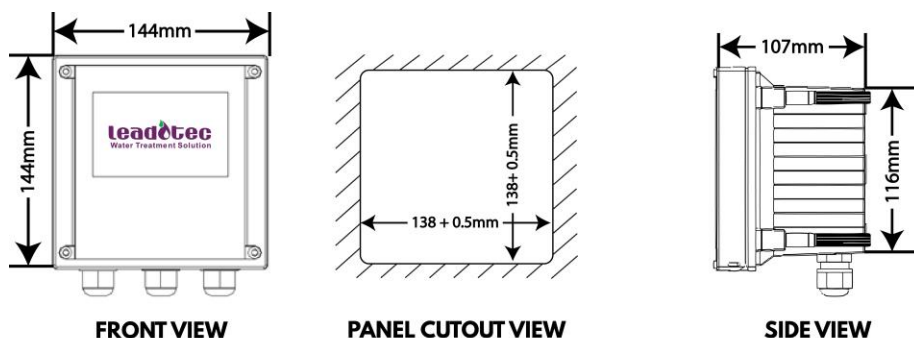
# Specifications

<b>Measuring Range</b>	0.0 – 200.0% sat. 0.00 – 20.00 ppm 0.00 – 20.00 mg/L
<b>Resolution</b>	0.1% sat. 0.01 ppm 0.01 mg/L
<b>Accuracy</b>	±0.2% sat. ±0.02 ppm ±0.02 mg/L
<b>Temperature Probe</b>	NTC
<b>Temperature Range</b>	0.0°C to +50.0°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> Dissolved Oxygen  <b>Current 2</b> Temperature
<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

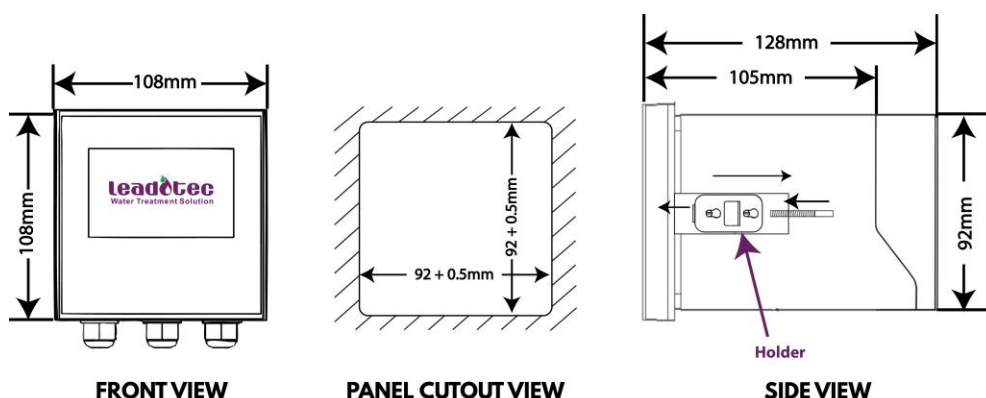
<b>Relay Delay</b>	0 to 120 seconds
<b>Fieldbus Connection</b>	RS-485 Modbus
<b>Baud Rate</b>	9600 / 19200 / 38400
<b>Protection Class</b>	IP65
<b>Display</b>	LCD dot matrix
<b>Language Selection</b>	English Others upon request
<b>Electrical Connection</b>	90 to 260 VAC or 24 VDC Power consumption <5W
<b>Data Logging Capacity</b>	500,000
<b>USB Function (PDO6000 only)</b>	Data extraction Software update
<b>Dimensions</b>	<b>PDO6000</b> 144(H) x 144(W) x 105(D) mm  <b>PDO800</b> 108(H) x 108(W) x 140(D) mm
<b>Panel Cutout</b>	<b>PDO6000</b> 138 x 138 mm  <b>PDO800</b> 92 x 92 mm
<b>Weight</b>	<b>PDO6000</b> 0.85 kg  <b>PDO800</b> 0.55 kg
<b>Installation</b>	Panel / Wall / Pipe mount

# Dimensions

6000 Series



800 Series



Design outlook subjected to change without prior notice.

Dimensions of PDO6000 and PDO800

## Order Code

Part No.	Description
<b>PDO6000</b>	Optical Dissolved Oxygen 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>PDO800</b>	Optical Dissolved Oxygen 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
<b>PDO6000-24VDC</b>	Optical Dissolved Oxygen 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>PDO800-24VDC</b>	Optical Dissolved Oxygen 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