



DO6000 Controller With USB Feature



DO800 Controller



## Dissolved Oxygen Analyzer

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

## Applications



**Power Industry**



**Boiler Water**



**Wastewater**



**Aquaculture**

## In A Glance...

Leadtec DO6000 & DO800 controllers offer an unrivaled user friendliness in measurement of Dissolved Oxygen (DO) with membrane type sensors. 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

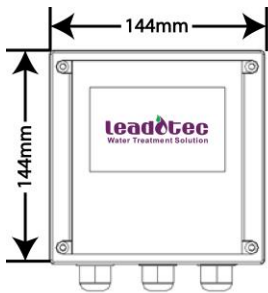
- ❖ Robust & reliable: Highest level of waterproof and dustproof analyzer for site measurement and easy installation.
- ❖ Less is more; Having just the essential features are better than having way too much of superfluous things.
- ❖ Intuitive operation; Step-by-step navigation facilitates the user to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

# Specifications

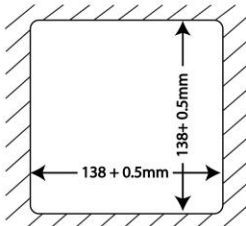
<b>Measuring Range</b>	0.0 – 400.0% sat. 0.00 – 40.00 ppm 0.00 – 200.0 ppb	<b>Relay Delay</b>	0 to 120 seconds
<b>Resolution</b>	0.1% 0.01 ppm 0.01 ppb	<b>Fieldbus Connection</b>	RS-485 Modbus
<b>Accuracy</b>	±0.2% ±0.02 ppm ±0.1 ppb	<b>Baud Rate</b>	9600 / 19200 / 38400
<b>Temperature Probe</b>	Pt 1000 / 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 (DO6000 only)</b>	Data extraction Software update
<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>Dimensions</b>	<b>DO6000</b> 144(H) x 144(W) x 105(D) mm  <b>DO800</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>DO6000</b> 138 x 138 mm  <b>DO800</b> 92 x 92 mm
<b>Max. Relay Contacts Capacity</b>	5A/250 VAC 5A/30 VDC	<b>Weight</b>	<b>DO6000</b> 0.85 kg  <b>DO800</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		

# Dimensions

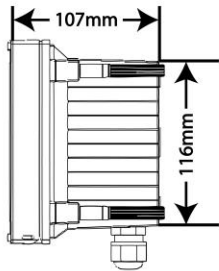
## 6000 Series



FRONT VIEW

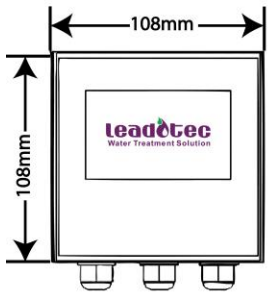


PANEL CUTOUT VIEW

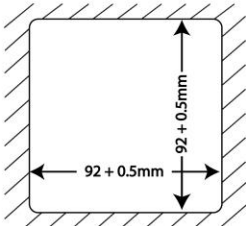


SIDE VIEW

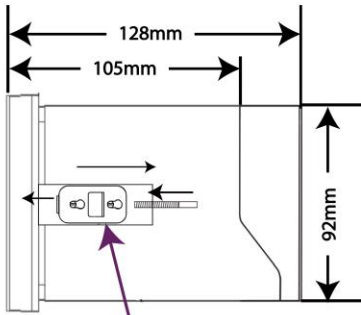
## 800 Series



FRONT VIEW



PANEL CUTOUT VIEW



SIDE VIEW

Holder

Design outlook subjected to change without prior notice.

Dimensions of DO6000 and DO800

# Order Code

Part No.	Description
<b>DO6000</b>	<p>LEADTEC DO6000 Dissolved Oxygen Controller with 2 x relays, 1 x multifunctional relay &amp; 2 x 4-20mA output. Power supply: 85 – 265 VAC. Range:</p> <ul style="list-style-type: none"> <li>• 0.00 to 400.0%</li> <li>• 0.00 to 40.00 ppm</li> <li>• 0.00 to 200.0 ppb</li> </ul> <p>Temperature: -10.0°C to +130.0°C 2 x Set Points Relays &amp; 1 x multi-function relay outputs 2 x 4-20mA &amp; RS-485 Modbus RTU outputs Built-in USB feature for data logging and extraction in excel file and software update</p>
<b>DO800</b>	<p>LEADTEC DO800 Dissolved Oxygen Controller with 2 x relays, 1 x multifunctional relay &amp; 2 x 4-20mA output. Power supply: 85 – 265 VAC. Range:</p> <ul style="list-style-type: none"> <li>• 0.00 to 400.0%</li> <li>• 0.00 to 40.00 ppm</li> <li>• 0.00 to 200.0 ppb</li> </ul> <p>Temperature: -10.0°C to +130.0°C 2 x Set Points Relays &amp; 1 x multi-function relay outputs 2 x 4-20mA &amp; RS-485 Modbus RTU outputs Built-in USB feature for data logging and extraction in excel file and software update</p>
<b>DO6000-24VDC</b>	<p>LEADTEC DO6000-24VDC Dissolved Oxygen Controller with 2 x relays, 1 x multifunctional relay &amp; 2 x 4-20mA output. Power supply: 24 VDC. Range:</p> <ul style="list-style-type: none"> <li>• 0.00 to 400.0%</li> <li>• 0.00 to 40.00 ppm</li> <li>• 0.00 to 200.0 ppb</li> </ul> <p>Temperature: -10.0°C to +130.0°C 2 x Set Points Relays &amp; 1 x multi-function relay outputs 2 x 4-20mA &amp; RS-485 Modbus RTU outputs Built-in USB feature for data logging and extraction in excel file and software update</p>
<b>DO800-24VDC</b>	<p>LEADTEC DO800-24VDC Dissolved Oxygen Controller with 2 x relays, 1 x multifunctional relay &amp; 2 x 4-20mA output. Power supply: 24 VDC. Range:</p> <ul style="list-style-type: none"> <li>• 0.00 to 400.0%</li> <li>• 0.00 to 40.00 ppm</li> <li>• 0.00 to 200.0 ppb</li> </ul> <p>Temperature: -10.0°C to +130.0°C 2 x Set Points Relays &amp; 1 x multi-function relay outputs 2 x 4-20mA &amp; RS-485 Modbus RTU outputs Built-in USB feature for data logging and extraction in excel file and software update</p>