



PD6000 Controller With USB Feature



PD800 Controller

pH & Dissolved Oxygen (Membrane) Dual Channel Analyzer

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

Applications



Power Industry



Boiler Water



Wastewater



Aquaculture

In A Glance...

Leadtec PD6000 & PD800 dual channel controllers offer an unrivaled user friendliness in measurement of pH and 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.

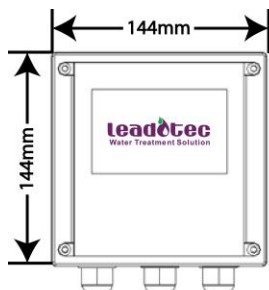
Specifications

Measuring Range	pH -2.00 to +16.00 pH
	Dissolved Oxygen (Membrane) 0.00 – 40.00 ppm 0.0 – 400% sat.
Resolution	pH 0.01 pH
	Dissolved Oxygen (Membrane) 0.01 ppm 0.1% sat.
Accuracy	pH ±0.01 pH
	Dissolved Oxygen (Membrane) ±0.02 ppm ±0.2% sat.
Temperature Probe	PD6000 NTC 22K
	PD800 Pt 1000 / NTC 22K
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 pH
	Current 2 Dissolved Oxygen
Control Outputs	2 x Relay Outputs 1 x Multifunctional Relay
Max. Relay Contacts Capacity	5A/250 VAC 5A/30 VDC

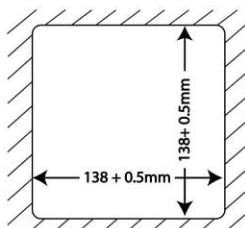
Cleaning Setting	ON : 1 to 1000 seconds OFF : 0.1 to 1000.0 hours
Multifunctional Relay	Clean / Period Alarm / Error Alarm
Relay Delay	0 to 120 seconds
Fieldbus Connection	RS-485 Modbus
Baud Rate	9600 / 19200 / 38400
Protection Class	IP65
Display	LCD dot matrix
Language Selection	English
	Others upon request
Electrical Connection	90 to 260 VAC or 24 VDC
	Power consumption <5W
Data Logging Capacity	500,000
USB Function (PD6000 only)	Data extraction Software update
Dimensions	PD6000 144(H) x 144(W) x 105(D) mm
	PD800 108(H) x 108(W) x 140(D) mm
Panel Cutout	PD6000 138 x 138 mm
	PD800 92 x 92 mm
Weight	PD6000 0.85 kg
	PD800 0.55 kg
Installation	Panel / Wall / Pipe mount

Dimensions

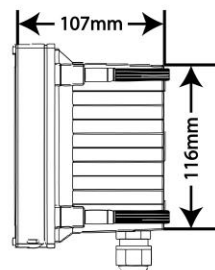
6000 Series



FRONT VIEW

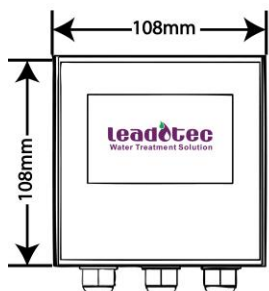


PANEL CUTOUT VIEW

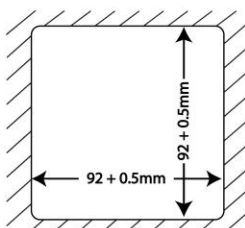


SIDE VIEW

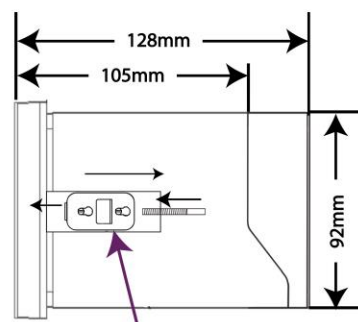
800 Series



FRONT VIEW



PANEL CUTOUT VIEW



Holder

SIDE VIEW

Design outlook subjected to change without prior notice.

Dimensions of PD6000 and PD800

Order Code

Part No.	Description
PD6000	Dual Channel pH & Membrane 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
PD800	Dual Channel pH & Membrane 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
PD6000-24VDC	Dual Channel pH & Membrane 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
PD800-24VDC	Dual Channel pH & Membrane 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