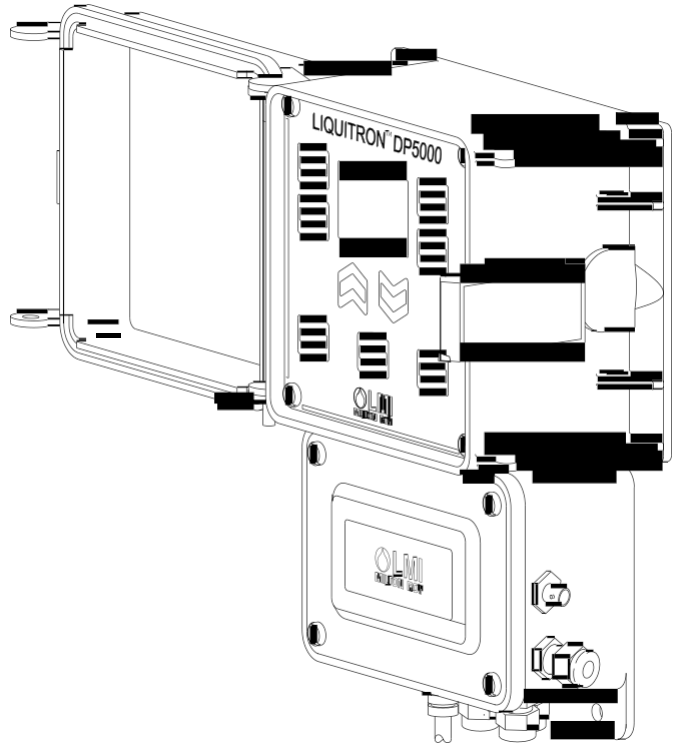


## Liquitron™ DP5000 Series pH Controller

**Cooling Water**  
**Waste Neutralization**  
**Process Control**  
**Environmental**  
**Metal Finishing**

*The DP5000 is a dual channel pH Controller providing either relay or proportional pulse outputs to drive chemical metering pumps. A custom backlit display provides constant information regarding controller conditions.*

*High and low alarm points, delay and limit timers, and other programmable features make the DP5000 the most adaptive pH controller available.*



### Features

- Custom Backlit LCD
- Temperature Reading
- High and Low Set Points
- Proportional Pulse or Relay Output Both Standard
- Limit Timers for Each Output
- pH Programmable Response Delay
- Single and Dual Point Calibration

### Display Items

- Current pH Value
- Current mA Output Level
- Current Pump Speed
- Temperature
- Timer Settings and Readings
- Alarm Conditions

0-14 pH Scale  
UL/CE/CFE Certified  
**LMI**  
**MILTON ROY**

[www.atb.com.mx](http://www.atb.com.mx)



Replaces same of Rev. D 4/99  
1739. E 12/99

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## Enclosure

### NEMA 12X Type (prewired version)

Hard wiring makes the unit suitable for NEMA 4X applications.

### Material (housing)

Flame retardant, molded TPE

### Material (cover)

Clear molded polycarbonate, padlockable

### Environment

32° F to 122° F (0° C to 50° C)

0 to 95% (non-condensing) relative humidity

### Hardware

115 VAC proportional units provided with a 6 ft (2m) grounded power cord & plug and two (2) 10 ft (3m) output cables for direct connection to Series 7 and 9 LMI pumps.

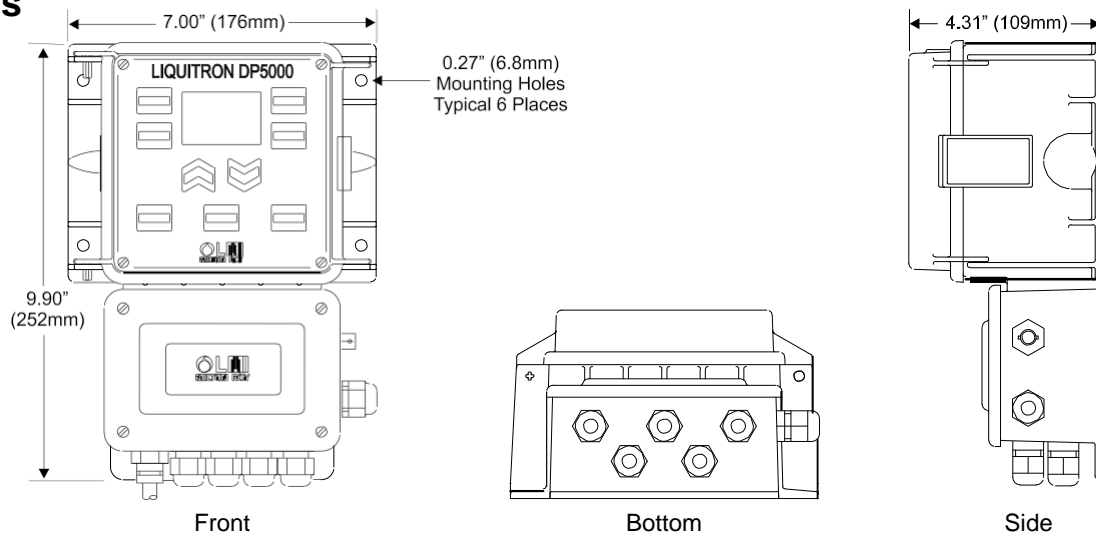
115 VAC On/Off units provided with 6 ft (2 m) grounded power cord & plug and two (2) 1 ft (30 cm) output power cords with grounded receptacles for pumps.

230 VAC, 50/60 Hz units provided with 6 ft (2m) grounded power cord & plug and throughput connectors for hardwire connection of pumps.

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## Dimensions



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## Electrical

### Input

115 VAC, 50/60 Hz or  
230 VAC, 50/60 Hz

### Control Output (On/Off)

2 relays, 10 Amp @115 VAC (5 Amp @230 VAC)  
Unit fused for 10 Amp total load

### Control Output (proportional)

Pulse output signal (100ms pulse width), open collector

### Alarm Output

Switch closure  
2 relays, 10 Amp @115 VAC (5 Amp @230 VAC)  
1 relay for pump A, 1 relay for Pump B

### Signal Input

BNC type

### Data Output

4-20 mA spanning the pH range

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## Operational

### Display

Custom multiline backlit LCD

### Temperature

Process temperature range 32° F to 212° F (0° C to 100° C)

### pH Scale

0-14 pH units, 0.01 resolution

### Limit Timers

Adjustable 0-11 hours

### Differential (hysteresis)

Keypad adjustable