



 **LMI**  
**MILTON ROY**  
A unit of Sundstrand Corporation

**Controllers**

## Excellence through Versatility



Located in the heart of New England in Acton, Massachusetts, Liquid Metronics has been providing quality products and service to the water treatment industry worldwide for over 20 years.

Leading the way in the metering pump industry, LMI introduced the first full line of electronic metering pumps and accessories. The breadth of LMI's product line extends from low-cost metering pumps for domestic potable water treatment to highly-sophisticated custom designs for specific customer applications.

Today, LMI continues to shape the future of the industry by offering a complete line of metering pump controllers and accessories for a wide variety of chemical-feed applications.

Utilizing superior designs and industry experience, as well as a state-of-the-art facility and highly trained service representatives, LMI offers Water Treatment Professionals the quality and reliability they've come to expect.

**Boiler**

**Cooling Tower**

**Industrial / Municipal  
Water & Waste Water**

**Pool & Fountain**



### Clear Cover

Clear, lockable front cover for easy viewing and tamper resistance.

### NEMA 4X

Totally sealed, corrosion resistant enclosure for indoor/outdoor installation.

### 4 - 20 mA

Fully programmable 4 - 20 mA chart recorder output for remote monitoring and environmental compliance.



### Easy Installation

Pre-drilled mounting flanges for quick installation.

### Nonvolatile Memory

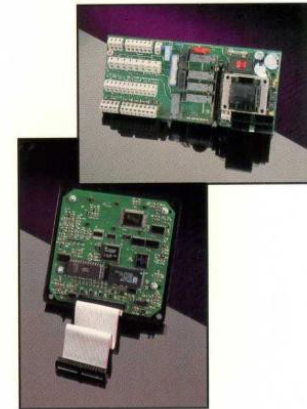
Set points stored in EEPROM prom eliminating the need for battery backup.

### Voltages

Various voltage and power cord options for worldwide versatility

### Wiring Terminal Strips

Easy access to wiring terminal strips. Available with a wide variety of wiring options for easy installation including prewired 115 VAC receptacles, 4-wire signal cables for proportional pump control, and watertight PG9 connectors for hardwire requirements.

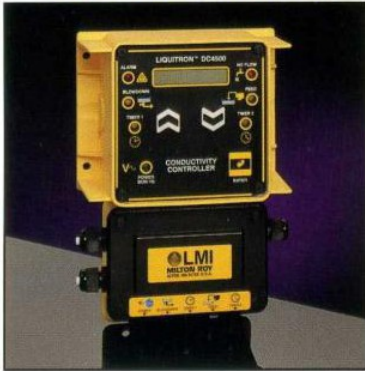


### Modular Manifold

Unique modular design for easy customization to system requirements. Conductivity probes and pH/ORP electrodes are available with individual mounting tees or fully assembled with flow switch and petcock valve.

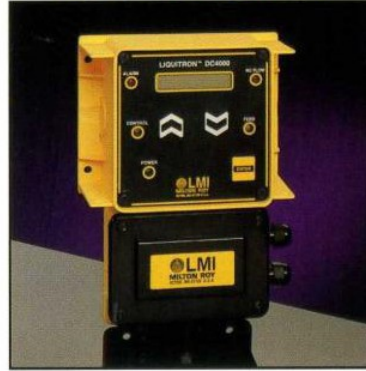
# Conductivity Controllers

## DC4500 Series



- Cooling tower
- Dual biocide control
- Multiple inhibitor feed modes
- 0 - 20,000  $\mu$ S range
- Solenoid or motorized valve control
- Open- / closed-loop system programming
- 4 - 20 mA output [programmable]
- Built-in equipment test circuits

## DC4000 Series



- Cooling tower / boiler
- Multiple Inhibitor feed modes
- Continuous or timed boiler sampling
- 0 - 10,000  $\mu$ S range
- Solenoid or motorized valve control
- Open- / closed-loop system programming
- 4 - 20 mA output [programmable]
- Built-in equipment test circuits

# pH & ORP Controllers

## AC4000 / AC5000 Series



- Cooling tower
- Bleed and feed indicator lights
- 0 - 5,000  $\mu$ S range
- Flow switch input and indicator
- Adjustable set point
- Meter test circuitry
- 4 - 20 mA recorder output [optional]

## DP5000 / DR5000 Series



- 0 - 14 (pH) / +2000 to -2000 mV (ORP)
- Dual-channel output fully programmable
- On/off and/or proportional pump control
- Alarm output with programmable set points
- Drain valve control with programmable timers
- 3-point proportional pump control
- Probe diagnostics with 1- or 2-point calibration

## Timer Controllers

### DT4000 Series



- Cooling tower / boiler
- Batch process
- Four (4) individual outputs to control up to four (4) pumps / valves
- Each output individually programmable
- Multiple control modes [28-day timer, repeating cycle, water meter pulse input]
- Built-in equipment test circuits

## Digital Controllers

### DPC40 Series



- Proportional output control for two (2) pumps
- Accepts 4 - 20 mA or 1 - 5 VDC inputs
- Fully programmable response to analog input
- Flow meter input
- Internal / external control for manual operation

## Flow Controllers

### FS5000 Series



- Flow switch input
- Three (3) 115 VAC outputs [flow switch response]
- One (1) 115 VAC output [continuous power]
- Inexpensive pump controller

## Accessories



- pH / ORP electrodes and manifolds
- Flow switches
- Conductivity probes and manifolds
- Boiler probes
- Motorized valves



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