

# DULCOMETER® Controllers

ProMinent®

## Reliable process measurement and control

ProMinent® DULCOMETER® analyzers provide precise monitoring or controlling of process variables for Municipal and Industrial applications. DULCOMETER® products encompass a complete range of quality instrumentation from single channel transmitters to multi-channel disinfection controllers.

ProMinent® amperometric technology surpasses many of today's colorimetric methods by providing real time, on-line measurement without reagents or buffer solutions. Process variables include free and total chlorine, fluoride, chlorine dioxide, chlorite, hydrogen peroxide, peracetic acid and ozone.

Complete your application by choosing one of our standard, pre-engineered monitoring or control packages, which comes fully assembled including controller, sensors, sensor holder, wiring, backpanel and quickstart guide.



standard wall mounted controller (D1Cb) package

## Features & Benefits

- Chlorine control (with amperometric sensors) **EPA method 334.0 compliant**
- Controls and/or monitors 14 on-line process variables
- Simultaneously control two measured variables (D2C)
- Available in wall mount (D1Cb) or panel mount (D1Cc)
- Two programmable analog outputs (D1Ca & D2C)
- One programmable analog output (D1Cb)
- Standard pre-designed system packages
- Temperature and pH correcting values
- On/Off, Proportional or PID control
- Feed forward control (D1Ca)
- Alarm and relay control



panel mount controller (D1Cc)

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- sign up for our electronic newsletter
- download literature and manuals
- validate your product warranty

## Selection aid for ProMinent® DULCOTEST® sensors

Measured variable	Measured range	Maximum Pressure	Temperature Range
Fluoride	0.05 - 10 ppm	102 psi (7 bar)	34° - 95°F (1° - 35°C)
Free chlorine	0.01 - 0.50 ppm	14.5 psi (1 bar)	41° - 113°F (5° - 45°C)
	0.02 - 2 ppm	14.5 psi (1 bar)	41° - 113°F (5° - 45°C)
	0.05 - 5 ppm	14.5 psi (1 bar)	41° - 113°F (5° - 45°C)
	0.10 - 10 ppm	14.5 psi (1 bar)	41° - 113°F (5° - 45°C)
	0.20 - 20 ppm	14.5 psi (1 bar)	41° - 113°F (5° - 45°C)
	0.50 - 50 ppm	14.5 psi (1 bar)	41° - 113°F (5° - 45°C)
	1 - 100 ppm	14.5 psi (1 bar)	41° - 113°F (5° - 45°C)
Total chlorine	0.01 - 0.05 ppm	44 psi (3 bar)	41° - 113°F (5° - 45°C)
	0.02 - 2 ppm	44 psi (3 bar)	41° - 113°F (5° - 45°C)
	0.05 - 5 ppm	44 psi (3 bar)	41° - 113°F (5° - 45°C)
	0.10 - 10 ppm	44 psi (3 bar)	41° - 113°F (5° - 45°C)
Bromine	0.01 - 0.50 ppm	44 psi (3 bar)	41° - 113°F (5° - 45°C)
	0.02 - 2 ppm	44 psi (3 bar)	41° - 113°F (5° - 45°C)
	0.20 - 10 ppm	44 psi (3 bar)	41° - 113°F (5° - 45°C)
Chlorine dioxide	0.01 - 0.50 ppm	14.5 psi (1 bar)	41° - 113°F (5° - 45°C)
	0.02 - 2 ppm	14.5 psi (1 bar)	41° - 113°F (5° - 45°C)
	0.10 - 10 ppm	14.5 psi (1 bar)	41° - 113°F (5° - 45°C)
Chlorite	0.02 - 0.50 ppm	14.5 psi (1 bar)	34° - 104°F (1° - 40°C)
	0.10 - 2 ppm	14.5 psi (1 bar)	34° - 104°F (1° - 40°C)
Ozone	0.02 - 2 ppm	14.5 psi (1 bar)	41° - 104°F (5° - 40°C)
Dissolved oxygen	0 - 10 ppm	14.5 psi (1 bar)	32° - 122°F (0° - 50°C)
	0 - 20 ppm	14.5 psi (1 bar)	32° - 122°F (0° - 50°C)
Peracetic acid	1 - 200 ppm	44 psi (3 bar)	34° - 113°F (1° - 45°C)
	10 - 2,000 ppm	44 psi (3 bar)	34° - 113°F (1° - 45°C)
Hydrogen peroxide	2 - 200 ppm	14.5 psi (1 bar)	32° - 113°F (0° - 50°C)
	20 - 2,000 ppm	14.5 psi (1 bar)	32° - 113°F (0° - 50°C)

**NOTE:** pH, ORP, Temperature, Conductivity sensors also available. Please consult catalog or factory for selection.

## Related Products

### DULCOMETER® DMT

The DMT is a compact 2-wire transmitter for measured variables pH, Redox, Conductive Conductivity, Temperature, and Chlorine.

### DULCOMETER® Compact

The Compact is an on-line controller/monitor for pH and ORP measurement or control. Control is in one direction only and can be programmed for proportional or PID control. Temperature compensation is available.

### DULCOMETER® DDC

The Dulcometer Disinfection Controller is a measuring and control system for up to five variables including pH, ORP, Temperature, Free Chlorine and Total Chlorine. A central DDC unit can control up to 16 remote locations.

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