

ProMinent® DULCOMETER® D1C/D2C

Experts in Chem-Feed and Water Treatment

Reliable process measurement and control

ProMinent® DULCOMETER® analyzers provide precise monitoring or controlling of process variables for water and wastewater 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.

Select from single variable transmitters (DMT), single variable controllers (D1C), dual variable controllers (D2C) and multi-variable controllers (DDC). Complete the application by choosing one of our standard, pre-engineered packages which comes fully assembled including controller, sensors, sensor holder, wiring and quickstart guide.



ProMinent® DULCOMETER® D1C Package



ProMinent® D1C controller, DMTa transmitter and DULCOTEST® sensors

Features and benefits

DULCOMETER® D1C/D2C

- Controls and/or monitors 14 on-line process variables
- Temperature and pH correcting values
- Two programmable analog outputs
- Proportional or PID control
- Feed forward disturbance signal
- Alarm and relay control
- Standard pre-designed system packages

ProMinent® DULCOMETER® D1C/D2C

Experts in Chem-Feed and Water Treatment

Selection aid for ProMinent® sensors

Measured variable	Measured range	Maximum Pressure	Temperature Range
Fluoride	0.05-10.00 ppm	102 psi (7 bar)	34° - 95°F (1° - 35°C)
Free chlorine	1-100 ppm	14.5 psi (1 bar)	41° - 113°F (5° - 45°C)
	0.5-50 ppm	14.5 psi (1 bar)	41° - 113°F (5° - 45°C)
	0.2-20 ppm	14.5 psi (1 bar)	41° - 113°F (5° - 45°C)
	0.1-10.0 ppm	14.5 psi (1 bar)	41° - 113°F (5° - 45°C)
	0.02-2.00 ppm	14.5 psi (1 bar)	41° - 113°F (5° - 45°C)
	0.01-0.50 ppm	14.5 psi (1 bar)	41° - 113°F (5° - 45°C)
Total chlorine	0.01-.050 ppm	44 psi (3 bar)	41° - 113°F (5° - 45°C)
	0.02-2.00 ppm	44 psi (3 bar)	41° - 113°F (5° - 45°C)
	0.05-5.00 ppm	44 psi (3 bar)	41° - 113°F (5° - 45°C)
	0.1-10.0 ppm	44 psi (3 bar)	41° - 113°F (5° - 45°C)
Bromine	0.2-10 ppm	44 psi (3 bar)	41° - 113°F (5° - 45°C)
Chlorine dioxide	0.1-10 ppm	14.5 psi (1 bar)	41° - 113°F (5° - 45°C)
	0.02-2.00 ppm	14.5 psi (1 bar)	41° - 113°F (5° - 45°C)
	0.01-0.50 ppm	14.5 psi (1 bar)	41° - 113°F (5° - 45°C)
Chlorite	0.020-0.500 ppm	14.5 psi (1 bar)	34° - 104°F (1° - 40°C)
	0.10-2.00 ppm	14.5 psi (1 bar)	34° - 104°F (1° - 40°C)
Ozone	0.02-2.00 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	2.0-200 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)

Related Products.

DULCOMETER® Type DMT

DULCOMETER® DMT transmitters are compact 2-wire transmitters for pH, redox, chlorine, conductive conductivity, and temperature parameters. They convert the primary sensor signal to a standard 4-20 mA signal, and act as an interference-proof link between the sensor and other control systems (ex: PLCs) or DULCOMETER® controllers positioned some distance away.

DULCOMETER® Type DDC

DULCOMETER® Disinfection Controller/Monitor and DULCO®-net technology are revolutionizing measuring, control and metering technology in public water systems. The decentralized modular concept with one single central unit controls sensors and actuators for up to 16 measurement locations. Controls up to 5 process variables at a time.

ProMinent Fluid Controls, Inc. (US)

136 Industry Drive,
Pittsburgh, PA 15275-1014
Tel: (412) 787-2484
Fax: (412) 787-0704
eMail: sales@prominent.us
www.prominent.us

ProMinent Fluid Controls Ltd. (Canada)

490 Southgate Drive,
Guelph, ON N1G 4P5
Tel: 1-888-709-9933 | (519) 836-5692
Fax: (519) 836-5226
eMail: sales@prominent.ca
www.prominent.ca

ProMinent®