

DULCOTEST® Sensors

Measurement & Control Technology



ProMinent®

ProMinent offers a wide array of process variable Dulcotest sensors for water and wastewater applications. Markets covered include industrial, municipal and aquatics.

Our reagent-less amperometric sensors provide simple calibration and low maintenance for continuous monitoring of process variables such as chlorine, fluoride, and PAA.

ProMinent glass sensors incorporate the latest technology and ensures accuracy and reliability for your on-line measurement and control. Complete a system package with one of our Dulcotest monitors or controllers.

Amperometric Sensors

- Free Chlorine
- Total Chlorine
- Chlorine Dioxide
- Chlorite
- Bromine
- Peracetic Acid
- Hydrogen Peroxide
- Ozone
- Dissolved Oxygen

Glass Sensors

- pH
- ORP/Redox
- Fluoride
- Temperature

Conductivity Sensors

- Inductive
- Conductive

Selection aid for ProMinent® sensors

| Capacity Data | | | | |
|--------------------------|------------------------------|-----------------|--------------------------------------|--|
| Measured Variable | Measurable Range | Sensor Type | Maximum Pressure | Temperature Range |
| Bromine | 0.01-0.5 ppm | BCR | 14.5 psi (1 bar) | 41° - 113°F (5° - 45°C) |
| | 0.01-0.5 ppm | BRE 1 | 44 psi (3 bar) | 41° - 113°F (5° - 45°C) |
| | 0.02-2.0 ppm | BCR | 14.5 psi (1 bar) | 41° - 113°F (5° - 45°C) |
| | 0.04-2.0 ppm | BRE 1, 2 | 44 psi (3 bar) | 41° - 113°F (5° - 45°C) |
| | 0.10-10.0 ppm | BCR | 14.5 psi (1 bar) | 41° - 113°F (5° - 45°C) |
| | 0.20-10.0 ppm | BRE 1, 2 | 44 psi (3 bar) | 41° - 113°F (5° - 45°C) |
| Chlorine Dioxide | 0.01-0.50 ppm | CDE | 14.5 psi (1 bar) | 41° - 113°F (5° - 45°C) |
| | 0.01-0.50 ppm | CDR | 44 psi (3 bar) | 34° - 131°F (1° - 55°C) |
| | 0.02-2.00 ppm | CDE | 14.5 psi (1 bar) | 41° - 113°F (5° - 45°C) |
| | 0.02-2.00 ppm | CDP | 44 psi (3 bar) | 41° - 113°F (5° - 45°C) |
| | 0.02-2.00 ppm | CDR | 44 psi (3 bar) | 34° - 131°F (1° - 55°C) |
| | 0.10-10.0 ppm | CDE | 14.5 psi (1 bar) | 41° - 113°F (5° - 45°C) |
| | 0.10-10.0 ppm | CDR | 44 psi (3 bar) | 34° - 131°F (1° - 55°C) |
| Chlorite | 0.02-0.50 ppm | CLT | 14.5 psi (1 bar) | 34° - 104°F (1° - 40°C) |
| | 0.10-2.00 ppm | CLT | 14.5 psi (1 bar) | 34° - 104°F (1° - 40°C) |
| Conductivity | Inductive/Conductive | Consult Catalog | - | - |
| Fluoride | 0.05-10 ppm | FLEP | 102 psi (7 bar) | 34° - 95° F (1° - 35° C) |
| Free Chlorine | 0.01-0.50 ppm | CLE | 14.5 psi (1 bar) | 41° - 113°F (5° - 45°C) |
| | 0.01-5.0 ppm | CLE | 14.5 psi (1 bar) | 41° - 113°F (5° - 45°C) |
| | 0.01-10.0 ppm | CLE | 14.5 psi (1 bar) | 41° - 113°F (5° - 45°C) |
| | 0.01-50 ppm | CLE | 14.5 psi (1 bar) | 41° - 113°F (5° - 45°C) |
| | 0.02-2.0 ppm | CLE | 14.5 psi (1 bar) | 41° - 113°F (5° - 45°C) |
| | 0.02-2.0 ppm | CLO 2 | 44 psi (3 bar) | 41° - 113°F (5° - 45°C) |
| | 0.02-2.0 ppm | CLO 1 | 116 psi (8 bar) | 41° - 113°F (5° - 45°C) |
| | 0.10-10.0 ppm | CLE | 14.5 psi (1 bar) | 41° - 113°F (5° - 45°C) |
| | 0.10-10.0 ppm | CLO 1 | 116 psi (8 bar) | 41° - 113°F (5° - 45°C) |
| | 0.20-20.0 ppm | CLE | 14.5 psi (1 bar) | 41° - 113°F (5° - 45°C) |
| | 1-100 ppm | CLE | 14.5 psi (1 bar) | 41° - 113°F (5° - 45°C) |
| | 10-1,000 ppm | CLR | 14.5 psi (1 bar) | 41° - 113°F (5° - 45°C) |
| | 0.02-10 ppm | CGE-3 | 44 psi (3 bar) | 41° - 113°F (5° - 45°C) |
| | Free Chlorine/Bromine | 0.01-0.50 ppm | CBR | 14.5 psi (1 bar) |
| 0.02-2.0 ppm | | CBR | 14.5 psi (1 bar) | 41° - 113°F (5° - 45°C) |
| 0.10-10.0 ppm | | CBR | 14.5 psi (1 bar) | 41° - 113°F (5° - 45°C) |
| Hydrogen Peroxide | 0.50-50.0 ppm | PER | 14.5 psi (1 bar) | 32° - 113°F (0° - 50°C) |
| | 2.0-200 ppm 20-2,000 ppm | PER PER | 14.5 psi (1 bar) 14.5 psi (1 bar) | 32° - 113°F (0° - 50°C) 32° - 113°F (0° - 50°C) |
| ORP | potentiometric | Consult Catalog | - | - |
| Ozone | 0.02-2.00 ppm | OZE | 14.5 psi (1 bar) | 41° - 104°F (5° - 40°C) |
| Peracetic Acid | 1-200 ppm | PAA | 44 psi (3 bar) | 34° - 113°F (1° - 45°C) |
| | 10-2,000 ppm | PAA | 44 psi (3 bar) | 34° - 113°F (1° - 45°C) |
| pH | potentiometric | Consult Catalog | - | - |
| Temperature | 32°-212°F (0°-100°C) | PT 100 | 145 psi (10 bar) | 32°-212°F (0°-100°C) |
| | 32°-212°F (0°-100°C) | PT 1000 | 145 psi (10 bar) | 32°-212°F (0°-100°C) |
| Total Chlorine | 0.01-.50 ppm | CTE | 44 psi (3 bar) | 41° - 113°F (5° - 45°C) |
| | 0.01-10.0 ppm | CGE 2-CAN | 44 psi (3 bar) | 41° - 113°F (5° - 45°C) |
| | 0.01-10.0 ppm | CTE 1-CAN | 44 psi (3 bar) | 41° - 113°F (5° - 45°C) |
| | 0.02-2.00 ppm | CGE, CTE | 44 psi (3 bar) | 41° - 113°F (5° - 45°C) |
| | 0.05-5.00 ppm | CTE | 44 psi (3 bar) | 41° - 113°F (5° - 45°C) |
| | 0.10-10.0 ppm | CGE 2, CTE | 44 psi (3 bar) | 41° - 113°F (5° - 45°C) |