

Instrumentation Products



Providing Customer Focused Solutions



Residual Analyzers

MicroChem 2® Series 4000

Transmitter/Analyzer,
PID, Contacts, Aeration Basin,
Swimming pool, or Delta
Controller

- Chlorine (free, total, buffered or bufferless) 0-10mg/L
- Chlorine dioxide 0-10mg/L
- Conductivity 0-10,000µS
- DO 0-20mg/L
- pH 0.00-14.00
- Bromine 0.00-10.00mg/L
- Ozone 0.00-10.00mg/L
- ORP -1500/+1500mV
- Temperature 36°-122°F/ 7°-50°C



Series CL1000B

- Most accurate bufferless analyzer on the market
- Offers precise control of the critical components in the measurement of chlorine
- Range: Chlorine 0-60 mg/L

Series 1770

- Designed for use with clean, stable pH waters
- Reduces the need for buffer reagent
- Measures free chlorine
- Range: 0-10 mg/L unbuffered



Series CL500

- Continuous analysis of free or total chlorine or other oxidants in drinking water, wastewater, cooling water, and other process water applications
- Provides automatic ranging capabilities from 0-20 mg/L chlorine without hardware or software modifications

Series CL1000

- Offers precise measurement of critical water components
- Designed to continuously analyze free or total chlorine (0-60mg/L), iodine (200mg/L), bromine (0-125mg/L), or other oxidants for water, wastewater, cooling water, and process water applications with a three electrode arrangement.



Series 1870E

- Features a field selectable monitoring range from 0-0.1 to 0-20mg/L chlorine
- Provides highly accurate low-level readings of +/- 1%
- Peristaltic pump allows for 60 days of buffer use.

Gas Detectors



Series 1610B

- Analog Detectors for single point monitoring of chlorine, sulfur dioxide and ammonia
- Range:
 - 0-5/0-10 ppm Cl₂ and SO₂
 - 0-50/0-100 NH₃



Series 1620B

- Multipoint gas detector provides continuous detection of Cl₂ or SO₂ using up to 8 sensors
- Range:
 - 0-5/0-10 ppm Cl₂ and SO₂
 - 0-50/0-100 NH₃



Series 17CA3000

- Microprocessor-based Cl₂ and SO₂ gas leak detector at concentrations down to 0.1ppm
- Range: Cl₂ 0-5/10/50ppm
SO₂ 0-10/20/100ppm



Series T17CA4000

- Designed to detect and provide a warning of the presence of chlorine gas in air
- Contains a local alarm light and electrical contacts
- Fixed alarm points at 1 and 3 ppm

Controllers



Captrol® 1450

- Microprocessor-based controller
- Alphanumeric display data
- Specific to chlorination/dechlorination
- Range is based on the analyzer



Captrol® 1451

- Microprocessor-based controller
- Alphanumeric display
- Uniquely suited to control schemes using two inputs such as disinfection, oxidation, and water quality monitoring and control
- Range is based on the analyzer

Portable Handheld Testers



SC400 Colorimeter

- Portable handheld
- Preprogrammed
- User calibration capability
- Internal clock
- Low battery indicator
- Data storage (16 sets)
- Includes sample cells and reagents (except fluoride)
- Supplied in rugged carrying case



4 Models:

- Chlorine (DPD) Free & Total
0-0.01 - 2.00 ppm/0.1 - 8.0 ppm
- Chlorine Dioxide (DPD)
0.01 - 3.8 ppm
- Ammonia
0.01 - 0.50 ppm
- Fluoride
0.05 - 2.0 ppm

Water & Wastewater Quality Monitors

MicroScatter™ 90° Turbidimeter

- Designed for drinking water below 1NTU but suitable for all raw waters
- Range 0-200 NTU +/- 0.001 NTU resolution
- System includes single or dual input analyzer, sensor (s), debubbler assembly and alarm board if chosen
- Select either U.S. EPA Method 180.1 or ISO Method 7027 compliant sensor(s)
- Intuitive, user-friendly menu makes setup and calibration easy
- Fully scalable analog outputs and optional fully programmable alarm configurations



Amperometric Titrator



Series 17T2000

- Analytical instrument for the electrical determination of the end point of a titration for free, combined, or total chlorine residual, iodine, monochloramine, dichloramine, bromine, ozone, chlorine dioxide, and permanganate
- Suitable for use in water and wastewater plants, swimming pools, research laboratories, and industrial plants
- Sensivity: 0.005mg/L Chlorine

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